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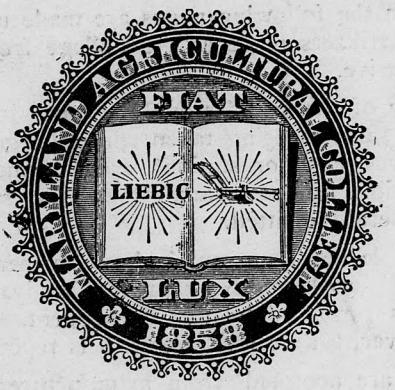

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ADDRESS

Chemical Department, Maryland Agricultural College,

COLLEGE PARK, MD.

ANALYSIS OF

Commercial Fertilizers Sold in Maryland

BY THE CHEMICAL DEPARTMENT OF

THE MARYLAND AGRICULTURAL COLLEGE.

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The tables on the following pages are made up of the results of the analysis of fertilizers made at the College from *August to December,* 1906, inclusive.

The majority of the samples analyzed are obtained by our sampling agents, the samples being taken while the goods are in transit, on vessels, wharves, cars, or stations, from farmers' wagons, barns, etc. It is impossible for us to analyze all the samples we collect; duplicates are generally omitted.

When a sample has been sent in by a farmer his name appears after the place of sampling. No sample is analyzed unless fully described on blanks furnished by this department. The description is not sent in, however, till after the analysis is reported.

No samples are accepted from manufacturers or their agents under any circumstances.

The figures in the columns headed "Ammonia," "Potash" and "Phosphoric Acid" are percentages, or pounds per hundred. To get pounds per ton multiply the figures by 20. The columns headed "Found" contain the results found by analysis; those headed "Guaranteed" contain the essential part of the guarantee as stamped on the bags.

The columns headed "No." contain the respective numbers by which the samples are known in the laboratory. In writing to the Chemical Department in regard to any analysis the number should always be given. The samples are numbered consecutively on the books of the office, but are arranged alphabetically for publication, which accounts for the mixing of the numbers.

To get "Total" phosphoric acid add the "Insoluble" to the "Available" phosphoric acid.

The "Comparative Value Found" and the "Comparative Value Guaranteed" are calculated, the former from the analysis found, the latter from the analysis guaranteed on the bags, using the following schedule:

In Mixed Fertilizer:	
For Nitrogen, calculated as Ammonia	17½ cts. per pound.
For potash (K_2O), in forms free from muriate	6 cts. per pound.
For Potash (K_2O), as muriate, or Kainit	5 cts. per pound.
For Available Phosphoric Acid	5 cts. per pound.
For Insoluble Phosphoric Acid	2 cts. per pound.
For Insoluble Phosphoric Acid when from S. C. Rock	1 ct. per pound.
In Dissolved S. C. Rock:	
Available Phosphoric Acid	4 cts. per pound.
In Ground Bone:	
For Nitrogen, calculated as Ammonia, in "Fine" Bone	16 cts. per pound.
For Nitrogen, calculated as Ammonia, in "Fine Medium" Bone	14 cts. per pound.
For Nitrogen, calculated as Ammonia, in "Medium" Bone	12 cts. per pound.
For Nitrogen, calculated as Ammonia, in "Coarse" Bone	10 cts. per pound.
For Phosphoric Acid in "Fine" Bone	5 cts. per pound.
For Phosphoric Acid in "Fine Medium" Bone	4 cts. per pound.
For Phosphoric Acid in "Medium" Bone	3 cts. per pound.
For Phosphoric Acid in "Coarse" Bone	2 cts. per pound.
In Tankage and Ground Fish:	
For Nitrogen, calculated as Ammonia	15 cts. per pound.
For Phosphoric Acid	3 cts. per pound.

In using the above schedule *all fertilizers containing less than one per cent of ammonia will be given the rock valuation of four cents per pound on the available phosphoric acid, and one cent per pound for the insoluble phosphoric acid.*

The "comparative values" given in the table are not claimed to be the proper prices to be paid for the various fertilizers at the place of sale or use; this varies considerably, depending on the market prices of the ingredients, freight, commissions, size of order, cash or credit, etc.

Sliding-scale guarantees (the use of a maximum as well as a minimum guarantee), as "ammonia 1 to 3 per cent," is unlawful. The penalty for the first offense is $100 fine.

It is unlawful to sell any brand of commercial fertilizer before the license for the same has been obtained from the Comptroller. When the license is paid by the manufacturer it is not necessary for his agents to obtain another license for the same brands. If, however, the manufacturer resides out of the State, and does not pay the license, each agent selling the goods or offering the same for sale is held responsible for the license.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler, when not the College.)
15952	American Agrl. Chem. Co., New York, N. Y.	Big Crop Phosphate.....	Baltimore.....
15937	" " "	Big Four Phosphate.....	Blacks.....
15953	" " "	Buyers' Choice 14% Acid Phosphate.	Baltimore.....
15833	" " "	Dissolved Animal Bone...	Taneytown.....
15828	" " "	Excelsior Alkaline Bone.	Baltimore.....
15926	" " "	Fine Ground Bone.....	Bel Air.....
15822	" " "	Gem Alkaline Phosphate.	Baltimore.....
15855	" " "	Genuine German Kainit..	Travilah.....
15829	" " "	Great Eastern English Wheat Grower.	Baltimore.....
15830	" " "	Great Eastern General...	Baltimore.....
15831	" " "	Great Eastern Wheat Special.	Baltimore.....
15819	" " "	Improved Wheat and Clover Producer.	Baltimore.....
15964	" " "	Orchilla Guano.....	Pocomoke City....
16061	" " "	Pure Ground Bone.....	Hopewell (J. S. Thomas).
15856	" " "	Pure Ground Bone.....	Travilah.....
16095	" " "	S. C. Bone.....	Newark (Gordon Adkins).
15950	" " "	Square Deal Phosphate ..	Baltimore.....
15864	" " "	Top Notch Phosphate....	Mt. Airy.....
15889	A. A. C. Co. (Canton), Baltimore, Md.	Baker's Dissolved S. C. Bone.	Hancock.....
15833	" " "	Baker's Dissolved S. C. Bone.	Baltimore.....
15965	" " "	Baker's Fish Guano.....	Arden.....
15832	" " "	Baker's Special Wheat Corn and Grass Mixture	Baltimore.....
15954	" " "	Harrow Brand Crop Grower.	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
15952	.....	.....	4.57	5.00	.45	.....	8.10	8.00	$11.14	$11.40
15937	.....	.....	4.50	5.00	.72	1.00	8.13	8.00	11.14	11.60
15953	.....	.....	.....	.....	1.77	1.00	13.75	14.00	11.00	11.20
15863	2.80	2.50	.....	.....	3.19	.....	11.08	12.00	22.16	20.75
15828	.....	.....	5.02	5.00	1.20	.....	9.83	10.00	13.12	13.00
15926	3.05	3.00	.....	.....	25.50*	22.00*	.....	.....	32.09	.....
15822	.....	.....	3.39	3.00	.62	.....	6.44	6.00	8.66	7.80
15855	.....	.....	12.80	12.00	.....	.....	.....	.....	.....	.....
15829	1.17	1.00	2.17	2.00	1.02	.....	8.19	8.00	14.87	13.50
15830	1.12	1.00	4.07	4.00	1.10	.....	8.03	8.00	16.46	15.50
15831	2.14	2.00	2.31	2.00	1.67	.....	7.78	8.00	18.25	17.00
15819	1.38	1.00	2.56	2.00	1.42	.....	11.46	12.00	19.42	17.50
15964	.....	.....	.....	.....	11.75	14.00	4.40	.....	8.22	5.60
16061	4.35	4.00	.....	.....	20.15*	20.60*	.....	.....	28.58	.....
15856	4.40	4.00	.....	.....	20.26*	20.60*	.....	.....	28.34	.....
16095	.....	.....	.....	.....	1.18	.....	14.02	14.00	11.22	11.20
15950	2.09	2.00	4.15	4.00	1.27	.....	8.17	8.00	20.15	19.00
15864	2.03	2.00	7.31	5.00	1.50	.....	7.12	8.00	22.14	20.00
15889	.....	.....	.....	.....	.67	.....	14.90	14.00	11.92	11.20
15833	.....	.....	.....	.....	1.95	.....	14.02	14.00	11.22	11.20
15965	2.12	2.00	2.33	2.00	2.47	.....	8.05	8.00	18.79	17.00
15832	1.10	1.00	2.13	2.00	1.20	.....	9.02	9.00	15.48	14.50
15954	1.30	1.00	1.28	1.00	1.40	1.00	8.07	8.00	14.46	12.90

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
15927	A. A. C. Co. (Canton), Baltimore, Md.	Patron's Bone Mixture	Bel Air
15865	" " "	Resurgan Guano	Hampstead
15966	" " "	Soluble Alkaline Bone 12x3.	Snow Hill
15866	" " "	Soluble Bone and Potash.	Hampstead
16015	A. A. C. Co. (Detrick), Baltimore, Md.	Ammoniated Bone Phosphate.	Baltimore
15967	" " "	Bone and Potash 16 x 4 Mixture.	Westover
15985	" " "	Corn and Oats Fertilizer.	Baltimore.
15825	" " "	Dissolved S. C. Bone.	Baltimore.
15951	" " "	Imperial Compound	Baltimore.
15908	" " "	K. K. K. Kangaroo Komplete Kompound.	White Hall
15986	" " "	P. & B. Special Fertilizer.	Baltimore.
15827	" " "	Paragon Amm'niat'd Bone Phosphate and Potash.	Baltimore
15909	" " "	Royal Crop Grower	Glyndon
15826	" " "	Soluble Bone Phosphate and Potash.	Baltimore
15987	" " "	Special Mixture	Baltimore.
15988	" " "	Standard Potash Fertilizer.	Baltimore.
15834	" " "	Vegetator Ammoniated Super-Phosphate.	Baltimore
16025	" " "	Victory Alkaline Bone.	Snow Hill
15835	" " "	Victory Alkaline Bone.	Baltimore
15910	A. A. C. Co. (Lazaretto), Baltimore, Md.	Ammoniated Bone Phosphate.	Ellicott City
15824	" " "	Ammoniated Dissolved Bone.	Baltimore
15867	" " "	Bone Compound	Hampstead
15890	" " "	Crop Grower	Hagerstown

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
15927	2.43	2.00	2.54	2.50	6.15	.....	5.63	5.00	$19.10	$ 14.50
15865	1.07	1.00	4.21	4.00	1.12	.....	8.24	8.00	16.65	15.50
15966	.....	.....	3.32	3.00	0.88	.....	12.08	12.00	13.16	12.60
15866	.....	.....	2.04	2.00	1.10	.....	10.22	10.00	10.44	10.00
16015	1.64	1.50	2.25	2.00	1.25	.....	9.07	9.00	17.56	16.25
15967	.....	.....	2.07	2.00	0.17	.....	11.94	11.00	11.65	10.80
15985	1.14	1.00	3.02	3.00	0.92	.....	9.41	9.00	16.79	15.50
15825	.....	.....	.....	.....	1.82	.....	14.04	14.00	11.23	11.20
15951	1.23	1.00	2.23	2.00	1.25	.....	8.24	8.00	15.28	13.50
15908	2.18	2.00	3.10	3.00	1.85	.....	7.18	8.00	18.65	18.00
15986	.....	.....	3.26	3.00	0.47	.....	12.35	12.00	13.23	12.60
15827	1.12	1.00	1.45	1.00	0.92	.....	7.67	7.00	13.41	11.50
15909	2.11	2.00	2.06	2.00	2.40	.....	8.07	8.00	18.48	17.00
15826	.....	.....	2.06	2.00	1.20	....	10.08	10.00	10.36	10.00
15987	1.19	1.00	1.36	1.00	1.15	.....	8.43	8.00	14.42	12.50
15988	1.72	1.50	5.31	5.00	1.52	.....	6.12	6.00	18.06	16.25
15834	2.41	2.50	3.06	3.00	1.75	.....	8.02	8.00	20.23	19.75
16025	.....	.....	5.01	5.00	1.15	.....	12.56	12.00	15.29	14.60
15835	.....	.....	4.77	5.00	1.05	.....	11.88	12.00	14.48	14.60
15910	1.16	1.00	2.15	2.00	0.90	.....	8.14	8.00	14.71	13.50
15824	2.08	2.00	2.70	2.50	1.35	.....	10.05	10.00	20.57	19.50
15867	1.30	1.25	3.26	3.00	1.67	.....	8.82	9.00	17.30	16.38
15890	2.12	2.00	2.01	2.00	2.42	.....	7.48	8.00	17.88	17.00

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling. (and Sampler when not the College.)
15891	A. A. C. Co. (Lazaretto), Baltimore, Md.	Dissolved Bone and Potash	Hagerstown.....
16096	" " "	Dissolved Bone and Potash	Avery (A. Ray)...
15858	" " "	Dissolved Bone and Potash	Muddy Branch.....
15857	" " "	Dissolved Bone Phosphate	Travilah.....
15868	" " "	Excelsior A. A. A.....	Hampstead.....
15911	" " "	Forsythe & Linthicum Mixture.	Ellicott City.....
15912	" " "	H. G. Dissolved Bone and Potash.	Ellicott City.....
16024	" " "	H. G. Dissolved Bone and Potash.	Oxford.....
15814	" " "	H. G. Dissolved Bone and Potash.	Baltimore.....
15820	" " "	H. G. Dissolved Bone Phosphate and Potash.	Baltimore.....
15813	" " "	Retriever Animal Bone Fertilizer.	Baltimore.....
16097	" " "	Special Wheat and Grass Grower.	Avery (A. Ray)...
15892	" " "	Special Wheat and Grass Fertilizer.	Hagerstown.....
15928	" " "	Tomato Compound.....	Magnolia.....
15893	A. A. C. Co. (Maryland), Baltimore, Md.	Alkaline Bone.....	Adamstown.....
15894	" " "	Ammoniated Bone.....	Smithsburg.....
15895	" " "	Bone Super-Phosphate...	Smithsburg.....
15896	" " "	Dissolved S. C. Bone.....	Maugansville.....
15897	" " "	Sangston Cereal and Plant Food.	Smithsburg.....
15989	A. A. C. Co. (Nickerson), Easton, Md.	Alkaline Bone and Potash	Baltimore.....
15980	" " "	Dissolved Bone and Potash	Easton.....
15990	" " "	Eastern Shore Domestic Guano.	Baltimore.....
16027	" " "	Nickerson's Mixture.....	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
15891	.....	.....	2.11	2.00	1.48	.....	9.87	10.00	$10.31	$10.00
16096	.....	.....	2.08	2.00	0.15	.....	10.56	8.00	10.56	8.40
15858	.....	.....	1.78	2.00	0.90	.....	8.89	8.00	9.07	8.40
15857	.....	.....	.....	.....	0.77	.....	14.05	14.00	11.24	11.20
15868	1.18	1.00	1.67	1.00	1.27	.....	7.23	7.00	13.54	11.50
15911	2.59	2.25	4.09	4.00	3.67	4.50	9.81	9.00	24.44	22.68
15912	.....	.....	5.01	5.00	1.70	.....	11.34	11.00	14.42	13.80
16024	.....	.....	5.18	5.00	1.22	.....	12.11	12.00	15.11	14.60
15814	.....	.....	4.67	5.00	1.05	.....	11.86	12.00	14.37	14.60
15820	.....	.....	3.84	3.00	0.85	.....	12.21	12.00	13.78	12.60
15813	2.42	2.25	4.38	4.00	3.45	4.50	9.67	9.00	23.90	22.68
16097	0.51	.50	2.03	2.00	1.05	.....	9.18	8.00	11.37	10.15
15892	1.04	1.00	4.03	4.00	1.20	.....	8.06	8.00	16.21	15 50
15928	1.51	1.50	5.08	5.00	1.22	.....	5.84	8.00	16.70	18.25
15893	.....	.....	3.10	3.00	0.56	.....	12.12	12.00	12.91	12.60
15894	2.15	2.00	3.03	3.00	1.75	.....	7.46	8.00	18.72	18.00
15895	.....	.....	2.02	2.00	1.15	.....	10.02	10.00	10.27	10.00
15896	.....	.....	.....	.....	1.10	.....	14.46	14.00	11.57	11.20
15897	1.64	1.50	2.09	2.00	2.53	.....	8.02	8.00	16.86	15.25
15989	.....	.....	2.03	2.00	0.65	.....	9.92	10.00	10.10	10.00
15980	.....	.....	5.72	5.00	1.10	.....	11.80	12.00	15.38	14.60
15990	2.09	2.00	3.30	3.00	1.90	.....	7.11	8.00	18.49	18.00
16027	0.78	.50	1.94	2.00	0.85	.....	8.12	8.00	11.34	10.15

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
15898	A. A. C. Co. (Nickerson), Easton, Md.	Nickerson's Mixture.....	Smithsburg .....
15938	A. A. C. Co. (Reese), Baltimore, Md.	Special Crown Phosphate and Potash.	Blacks .....
15821	A. A. C. Co. (Susquehanna), Baltimore, Md.	Alkaline Bone Phosphate.	Baltimore.....
15991	" " "	Ammoniated Bone Phosphate.	Baltimore.....
16016	" " "	Crop Grower.....	Baltimore.....
15955	" " "	H. G. Bone and Potash...	Baltimore.....
16029	" " "	Potato and Tobacco Grower.	Baltimore.....
15929	" " "	Potato and Tobacco Grower.	Magnolia..... .....
15823	" " "	Pure Bone Phosphate	Baltimore.....
15956	" " "	Superior Rock Phosphate.	Baltimore.....
15992	A. A. C. Co. (Tygert Allen), Philadelphia, Pa.	Gold Edge Potato Grower	Baltimore.....
16023	" " "	Standard Bone Phosphate	Mataponi.....
15968	" " "	Star Bone Phosphate.....	Snow Hill.....
15969	" " "	Star Soluble Bone and Potash.	Pocomoke.....
15939	A. A. C. Co. (Wheeler), Rutland, Vt.	Bone and Potash.....	Millington.....
15859	" " "	Electrical Dissolved Bone	Travilah.....
15993	" " "	Royal Crop Grower	Baltimore.....
15869	" " "	Wheat and Clover Fertilizer.	Maple Grove .....
15836	A. A. C. Co. (Zell), Baltimore, Md.	Ammoniated Bone Super-Phosphate.	Baltimore.....
15900	" " "	Dissolved Bone Phosphate.	Hancock.....
15837	" " "	Economizer Phosphate...	Baltimore.....
15870	" " "	Electric Phosphate.....	Melrose .....
15994	" " "	Hustler Phosphate.....	Baltimore.....

No.	NITROGEN, Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
15898	0.62	.50	1.92	2.00	1.27	.....	7.39	8.00	$10.25	$10.15
15938	.....	.....	2.04	2.00	0.50	1.00	12.03	12.00	11.76	11.80
15821	.....	.....	2.19	2.00	0.85	.....	10.43	10.00	10.70	10.00
15991	2.15	2.00	2.38	2.00	2.20	.....	7.41	8.00	18.20	17.00
16016	1.15	1.00	1.53	1.00	0.82	.....	7.87	7.00	13.76	11.50
15955	.....	.....	5.12	5.00	0.77	.....	12.01	12.00	14.88	14.60
16029	1.91	2.00	5.27	5.00	1.75	.....	8.23	8.00	20.89	20.00
15929	2.32	2.00	6.88	5.00	2.28	.....	4.99	8.00	20.90	20.00
15823	2.09	2.00	2.27	2.00	3.87	.....	8.77	9.00	19.91	18.00
15956	.....	.....	.....	.....	1.85	.....	14.07	14.00	11.26	11.20
15992	3.04	2.50	6.51	6.00	1.50	.....	7.78	8.00	25.53	22.75
16023	2.05	2.00	2.17	2.00	2.40	.....	7.75	8.00	18.06	17.00
15968	2.51	2.50	3.35	3.00	1.82	.....	7.63	8.00	20.50	19.75
15969	.....	.....	2.23	2.00	0.32	.....	10.82	10.00	10.95	10.00
15939	.....	.....	3.01	3.00	0.77	1.00	12.03	12.00	12.78	12.80
15859	.....	.....	.....	.....	1.00	.....	14.20	14.00	11.36	11.20
15993	1.06	1.00	2.15	2.00	1.00	.....	8.76	8.00	15.02	13.50
15869	.....	.....	2.01	2.00	0.45	.....	10.43	10.00	10.44	10.00
15836	2.02	2.00	2.13	2.00	1.79	.....	7.76	8.00	17.68	17.00
15900	.....	.....	.....	.....	1.40	.....	14.06	14.00	11.25	11.20
15837	1.18	1.00	2.13	2.00	1.10	.....	8.06	8.00	14.76	13.50
15870	.....	.....	2.02	2.00	0.62	.....	10.02	10.00	10.16	10.00
15994	1.14	1.00	3.02	3.00	0.95	.....	9.35	9.00	16.74	15.50

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling. (and Sampler, when not the College.)
15838	A. A. C. Co. (Zell), Baltimore, Md.	Little Giant	Baltimore
15817	Armour Fertilizer Works, Baltimore, Md.	Acid Phosphate 16%	Baltimore
15839	" " "	Acidulated Bone Meal	Baltimore
15818	" " "	Bone and Dissolved Bone with Potash.	Baltimore
15930	" " "	Bone Meal	Pylesville
15808	" " "	Fruit and Root Crop Special.	Baltimore
15802	" " "	Grain Grower	Baltimore
16066	" " "	Horsey's Special Mixture.	Greensboro, (N. Horsey of S. H.)
15981	" " "	Horsey's Special Mixture.	Greensboro
15940	" " "	Phosphate and Potash	Greensboro
15815	" " "	Phosphate and Potash No. 1.	Baltimore
15807	" " "	Phosphate and Potash No. 2.	Baltimore
15982	" " "	Phosphoric Acid and Potash.	Centerville
15840	" " "	Raw Bone Meal	Baltimore
16076	" " "	Royal Ammoniated Bone.	Greensboro (W. E. Orrell.)
16082	" " "	Royal Ammoniated Bone.	Longwoods (E. J. Porter.)
15810	" " "	Royal Ammoniated Bone.	Baltimore
16060	" " "	Special Mixture	Greensboro (W. P. Marden.)
15816	" " "	Special Mixture	Baltimore
15806	" " "	Star Phosphate	Baltimore
16083	" " "	12x5	Longwoods (E. J. Porter.)
16017	" " "	Walker's Special Mixture No. 4.	Baltimore
15842	" " "	Wheat and Grass Special.	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
15838	1.24	1.00	1.67	1.00	1.05	.....	7.35	7.00	$13.78	$11.50
15817	.....	.....	.....	.....	0.30	.....	17.25	16.00	13.80	12.80
15839	2.02	2.00	.....	.....	4.27	.....	11.61	11.00	20.39	18.00
15818	2.16	2.00	3.01	3.00	3.55	.....	9.89	9.00	21.88	19.00
15930	3.02	3.00	.....	.....	23.85*	24.00*	.....	.....	29.87	.....
15808	1.84	2.00	5.29	5.00	0.70	.....	8.35	8.00	20.36	20.00
15802	2.05	2.00	2.21	2.00	1.40	.....	8.16	8.00	18.11	17.00
16066	1.83	1.50	5.37	3.00	7.57	.....	8.15	9.00	22.96	17.25
15981	1.23	1.50	3.61	3.00	4.47	.....	9.65	9.00	19.36	17.25
15940	.....	.....	3.45	3.00	1.20	.....	12.10	12.00	13.37	12.60
15815	.....	.....	2.20	2.00	0.76	.....	10.02	10.00	10.37	10.00
15807	.....	.....	5.38	5.00	0.85	.....	8.10	8.00	12.03	11.40
15982	.....	.....	5.60	5.00	1.27	.....	9.74	10.00	13.64	13.00
15840	4.52	4.50	.....	.....	21.14*	22.00*	.....	.....	29.58	.....
16076	1.06	1.00	4.52	4.00	0.95	.....	8.69	8.00	17.30	15.50
16082	1.18	1.00	4.56	4.00	1.22	.....	8.18	8.00	17.36	15.50
15810	1.12	1.00	4.25	4.00	1.77	.....	8.01	8.00	16.89	15.50
16060	1.65	1.50	3.39	3.00	4.77	.....	9.26	9.00	20.34	17.25
15816	0.53	.50	1.63	1.00	1.20	.....	8.67	8.00	10.67	9.15
15806	.....	.....	.....	.....	1.32	.....	14.20	14.00	11.36	11.20
16083	.....	.....	4.89	5.00	1.27	.....	12.26	12.00	14.95	14.60
16017	2.01	.....	4.91	.....	2.77	.....	7.02	.....	20.08	.....
15842	1.07	1.00	5.01	5.00	1.42	.....	7.40	7.00	16.73	15.50

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler when not the College.)
15841	Armour Fertilizer Works, Baltimore, Md.	Wheat, Corn and Oat Special.	Baltimore
15809	" " "	Wheat Special	Baltimore
15995	Baltimore Fertilizer Co., Baltimore, Md.	Homestead	Baltimore
15957	" " "	Honest Acid Phosphate	Baltimore
15948	" " "	Honest Bone and Potash	Baltimore
15913	" " "	Honest Bone Phosphate	Glyndon
15958	" " "	Honest Crop Grower	Baltimore
15959	" " "	Honest Harvest	Cockeysville
16031	" " "	Honest Success	Baltimore
15914	" " "	Old Honesty	Glyndon
15960	" " "	Standard Unexcelled	Baltimore
15996	Baltimore Pulverizing Co., Baltimore, Md.	Farmers' Favorite Fertilizer. F. F. F.	Baltimore
15860	" " "	H. G. Wheat Compound	Washington Grove.
15861	" " "	Montgomery Special	Washington Grove.
15801	" " "	Penniman's Excelsior Fertilizer.	Baltimore
16018	" " "	Penniman's Special Guano No. 1.	Baltimore
16064	" " "	Pure Raw Bone	Highland (A. Nichols.)
15800	" " "	Special Fall Mixture	Baltimore
16087	Baugh & Sons Co., Baltimore, Md.	Ammoniated Soluble Alkaline.	Buck Lodge (Reid Bros.)
15844	" " "	Ammoniated Soluble Alkaline.	Baltimore
15901	" " "	Animal Bone and Potash Compound for all Crops	Williamsport
15843	" " "	Animal Bone and Potash Compound for all Crops	Baltimore
15845	" " "	Complete Animal Bone Fertilizer.	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
15841	1.01	1.00	1.32	1.00	2.02	.....	7.16	7.00	$12.83	$11.50
15809	1.09	1.00	2.06	2.00	1.05	.....	8.78	8.00	15.08	13.50
15995	1.64	1.50	2.27	2.00	2.75	.....	7.52	8.00	16.63	15.25
15957	.....	.....	.....	.....	0.60	.....	14.68	14.00	11.74	11.20
15948	.....	.....	1.80	2.00	1.19	.....	10.01	10.00	10.05	10.00
15913	0.38	.25	1.05	1.00	1.00	.....	5.82	7.00	7.24	7.48
15958	1.06	1.00	1.05	1.00	1.12	.....	9.67	8.00	14.88	12.50
15959	1.06	1.00	2.21	2.50	2.77	.....	9.10	9.00	16.13	15.00
16031	0.90	1.00	4.01	4.00	1.90	.....	7.80	7.00	15.72	14.50
15914	0.64	.50	2.27	2.00	0.75	.....	7.62	8.00	10.76	10.15
15960	1.45	1.50	2.82	3.00	0.80	.....	9.43	10.00	17.65	18.25
15996	0.84	1.00	1.61	1.50	2.87	.....	5.71	5.50	9.69	10.50
15860	1.45	2.00	1.59	2.00	0.82	.....	10.24	8.00	17.24	17.00
15861	0.92	1.00	2.04	2.00	1.37	.....	10.22	10.00	16.03	15.50
15801	.....	.....	2.51	2.50	2.82	.....	8.82	10.00	10.13	10.50
16018	1.18	1.00	1.59	1.00	1.55	.....	7.33	8.00	13.67	12.50
16064	3.02	.....	.....	.....	22.25*	.....	.....	.....	28.57	.....
15800	.....	.....	1.09	1.00	2.55	1.00	6.44	8.00	6.75	7.60
16087	0.78	.50	2.33	2.00	1.27	2.50	8.15	8.00	11.83	10.65
15844	0.65	.50	2.40	2.00	1.22	2.50	7.75	8.00	11.12	10.65
15901	2.42	2.00	2.25	2.00	2.55	.....	8.15	8.00	19.89	17.00
15843	2.02	2.00	2.35	2.00	1.40	.....	8.04	8.00	18.02	17.00
15845	2.02	2.00	5.04	5.00	1.77	.....	8.46	8.00	21.28	20.00

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.)
15931	Baugh & Sons Co., Baltimore, Md.	Corn and Peanut Guano	Aberdeen
15984	" " "	Covey's Standard Bone Phosphate.	Two Johns
15846	" " "	Double Eagle $25.00 Phosphate.	Baltimore
15847	" " "	Excelsior Guano	Baltimore
15932	" " "	Fine Ground Bone	Lapidam
15848	" " "	General Crop Grower	Baltimore
15849	" " "	H. G. Acid Phosphate	Baltimore
15850	" " "	Peninsular Grain Producer	Baltimore
15851	" " "	Pure Dissolved Animal Bone.	Baltimore
15852	" " "	Raw Bone Meal	Baltimore
15853	" " "	Soluble Alkaline Super-Phosphate.	Baltimore
16072	" " "	Special Mixture	Hagerstown (M. Wengert).
15862	" " "	10x4 H. G. Potash Mixture.	Rockville
15961	" " "	10x4	Baltimore
16084	" " "	10x5	Mt. Airy (J.N.Clay)
15854	" " "	Wheat Fertilizer for Wheat and Grass.	Baltimore
15941	Beck-Walker Co., Chestertown, Md.	Propagator Super-Phosphate.	Chestertown
15942	" " "	Special Bone Mixture	Chestertown
15943	" " "	10x5	Worton
15944	" " "	Try Me Super-Phosphate.	Chestertown
15945	" " "	12x3	Worton
15933	The Berg Co., Philadelphia, Pa.	Raw Bone	Fallston
16012	" " "	Standard Bone Manure	North East

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
15931	1.13	1.00	4.20	4.00	1.32	.....	8.45	8.00	$17.14	$15.50
15984	1.33	1.00	3.70	3.00	1.67	2.00	9.41	10.00	18.44	17.30
15846	2.14	2.00	1.57	1.00	1.98	.....	8.01	8.00	17.86	16.00
15847	1.29	1.00	4.13	4.00	1.40	.....	8.05	8.00	17.26	15.50
15932	3.72	3.00	.....	.....	16.80*	36.00†	.....	.....	25.50	.....
15848	1.31	1.00	1.45	1.00	1.75	.....	8.02	8.00	14.76	12.50
15849	.....	.....	.....	.....	1.50	.....	14.12	14.00	11.30	11.20
15850	1.15	1.00	2.44	2.00	2.65	.....	8.03	8.00	15.56	13.50
15851	2.71	2.50	.....	.....	2.55	.....	15.59	13.00	26.10	21.75
15852	4.52	4.50	.....	.....	21.85*	21.50*	.....	.....	32.98	.....
15853	.....	.....	2.37	2.00	1.27	.....	10.34	10.00	10.89	10.00
16072	2.51	2.35	5.03	5.00	0.81	.....	10.00	10.00	24.14	23.23
15862	.....	.....	4.01	4.00	0.95	.....	10.37	10.00	12.50	12.00
15961	.....	.....	4.09	4.00	1.30	.....	10.10	10.00	12.43	12.00
16084	.....	.....	5.04	5.00	1.00	.....	10.51	10.00	13.65	13.00
15854	2.11	2.00	2.35	2.00	1.52	.....	8.28	8.00	18.63	17.00
15941	2.02	2.00	2.35	2.50	1.25	.....	8.58	8.00	18.50	17.50
15942	1.02	1.00	2.56	2.00	2.00	.....	8.33	8.00	15.26	13.50
15943	.....	.....	5.10	5.00	1.32	.....	9.73	10.00	13.14	13.00
15944	0.58	0.50	3.30	3.00	1.70	.....	9.49	9.00	13.26	11.95
15945	.....	.....	3.03	3.00	0.75	.....	12.06	12.00	12.83	12.60
15933	3.77	4.00	.....	.....	21.50*	20.00*	.....	.....	30.49	.....
16012	2.66	3.00	6.03	6.00	5.62	.....	7.80	8.00	25.39	24.50

* Total Phosphoric Acid.
† Total Bone Phosphate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
15973	The Berg Co., Philadelphia, Pa.	$25.00 Special Bone Manure.	Bay View.....
16026	A. D. Birely & Son, Ladiesburg, Md.	Ammoniated Bone Phosphate.	Walkersville .....
15872	" " "	Crop Producer.....	Taneytown.....
15902	Wm. H. Bixler, Hagerstown, Md.	Bone Phosphate.....	Hagerstown.....
15934	Jas. Bonday, Jr., & Co., Baltimore, Md.	Kainit.....	Aberdeen ....
16013	Brumfield & Foster, Colora, Md.	Ammoniated Bone Phosphate.	Colora .....
15946	" " "	B. & F. Acid Phosphate and Potash.	Barclay .....
16014	" " "	H. G. Acid Phosphate....	Colora .....
15915	John L. Clark, Ellicott City, Md.	Standard Bone Phosphate.	Ellicott City .....
15974	Henry Cope & Co., Lincoln University, Pa.	Ammoniated Bone Phosphate.	Calvert .....
15975	" " "	Potato and Corn Phosphate.	Calvert .....
15976	" " "	Pure Ground Bone..... ..	Calvert .....
15977	" " "	Wheat Grower.....	Calvert .....
16019	Josiah Cope & Co., Oxford, Pa.	Ammoniated Bone Phosphate.	Conowingo .....
16020	" " "	Ground Steamed Bone ...	Conowingo .....
15970	L. E. P. Dennis & Son, Crisfield, Md.	Fish and Potash Mixture.	Snow Hill.....
15916	Joshua W. Dorsey, Ellicott City, Md.	Mixture—D.....	Ellicott City .....
15997	Dudley & Carpenter, Baltimore, Md.	Dissolved S. C. Rock.....	Baltimore.....
15998	" " "	Special Wheat Mixture ..	Baltimore.....
16021	Edelen Bros., Baltimore, Md.	Special Wheat and Grain Mixture.	Baltimore.....
15999	T. W. Eliason, Chestertown, Md.	Our Special Dissolved Alkaline Phos. and Potash.	Baltimore.....
15874	Englar Bros. & Co., Linwood, Md.	No. 1 Ammoniated Bone Phosphate.	Linwood .....
15875	" " "	No. 2 Ammoniated Bone Phosphate.	Linwood .....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
15973	1.57	2.00	3.04	3.00	4.87	.....	7.96	7.00	$18.45	$17.00
16026	1.13	0.50	1.75	1.00	3.00	1.00	8.71	8.00	15.62	9.35
15872	.....	.....	2.44	2.00	2.22	1.00	9.38	9.00	10.38	9.40
15902	1.79	1.50	2.75	2.50	2.75	.....	8.01	8.00	13.13	15.75
15934	.....	.....	12.20	12.00	.....	.....	.....	.....	.....	.....
16013	2.14	2.00	2.19	2.00	2.25	1.00	7.78	8.00	13.36	17.40
15946	.....	.....	2.01	2.00	0.85	.....	10.31	10.00	10.43	10.00
16014	.....	.....	.....	.....	1.65	.....	14.13	14.00	11.30	11.20
15915	2.09	2.00	2.48	3.00	4.17	1.00	7.05	9.00	13.52	19.40
15974	1.03	1.00	2.50	2.00	2.32	.....	7.38	8.00	14.42	13.50
15975	1.51	1.50	4.59	4.00	3.10	.....	6.80	7.00	17.92	16.25
15976	4.02	4.00	.....	.....	20.75*	40.00†	.....	.....	29.01	.....
15977	1.62	1.50	4.01	4.00	2.77	.....	8.83	7.00	19.62	16.25
16019	1.03	1.00	3.65	3.00	1.25	2.00	10.21	10.00	17.97	17.30
16020	3.04	3.00	.....	.....	24.25*	24.00*	.....	.....	30.89	.....
15970	2.02	2.00	2.68	3.00	0.85	.....	7.68	7.00	17.77	17.00
15916	2.44	2.25	4.63	4.00	1.20	1.50	9.05	9.00	22.70	21.48
15997	.....	.....	.....	.....	1.10	.....	14.24	14.00	11.39	11.20
15998	.....	.....	3.18	3.00	0.60	.....	12.60	12.00	13.38	12.60
16021	1.42	1.00	2.62	2.00	1.52	.....	9.57	9.00	17.77	14.50
15999	"0"	.....	2.02	1.50	1.65	.....	13.21	11.00	12.92	10.30
15874	2.04	2.00	1.76	1.50	2.50	.....	9.85	9.50	19.75	18.00
15875	1.01	1.00	2.64	2.40	1.25	.....	9.89	9.80	16.57	15.70

* Total Phosphoric Acid.
† Total "Bone Phosphate."

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
15873	D. Englar, Jr., Medford, Md.	No. 3 Bone Phosphate ...	Medford .....
15978	Eureka Fertilizer Co., Perryville, Md.	Farmers' Favorite Bone Phosphate.	Leslie. .....
15876	" " "	Grain and Grass Mixture.	Tyrone.....
16000	W. S. Farmer & Co., Baltimore, Md.	B. & P. Phosphate.....	Baltimore.....
16001	" " "	Clyde Brand.....	Baltimore .....
16002	" " "	Dissolved S. C. Bone.....	Baltimore .....
16003	" " "	Harvest Queen Phosphate	Baltimore .....
16004	" " "	H. G. B. & P. Phosphate.	Baltimore .....
16005	" " "	SuperiorPotash Phosphate	Baltimore .....
15971	Farmers & Planters' Co., Salisbury, Md.	Fish Mixture	Salisbury.....
15972	" " "	General Crop Grower	Salisbury.....
15879	Farmers' Fertilizer & Feed Co., Westminster, Md.	Acid Phosphate.....	Westminster .....
15880	" " "	Carroll Bone Phosphate..	Westminster .....
15881	" " "	No. 1 Bone Phosphate ...	Westminster .....
15882	" " "	No. 2 Bone Phosphate ...	Westminster .....
15883	" " "	No. 3 Bone Phosphate ...	Westminster .....
15884	" " "	P. A. & P.....	Westminster .....
16065	" " "	Special Mixture.....	Funkstown ..... (I. Emmert)
15885	" " "	X. X. Bone Phosphate...	Westminster .....
15877	Farmers' Fertilizer Co., Union Bridge, Md.	No. 1 Bone Phosphate ...	Uniontown .....
15878	" " "	Union Bridge Favorite...	Union Bridge.....
15804	Fogle & Miller, Woodsboro, Md.	Maryland Alkaline Phosphate.	Baltimore .....
15903	" " "	Maryland Crop Grower ..	Woodsboro. .....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
15873	2.08	1.25	2.04	2.00	0.87	1.50	9.55	9.50	$ 19.22	$16.48
15978	2.29	3.00	1.57	3.00	2.92	.....	9.80	10.00	20.56	23.50
15876	0.78	1.00	2.66	2.00	1.37	.....	8.54	8.00	12.49	13.50
16000	.....	.....	1.90	2.00	0.65	.....	10.46	10.00	10.40	10.00
16001	1.26	1.00	2.25	2.00	0.85	.....	8.40	8.00	15.40	13.50
16002	.....	.....	.....	.....	1.20	.....	14.08	14.00	11.26	11.20
16003	1.37	1 25	3.26	3.00	1.60	.....	8.90	9.00	17.60	16.38
16004	.....	.....	3.24	3.00	0.97	.....	12.01	12.00	13.04	12.60
16005	.....	.....	5.14	5.00	0.92	.....	12.13	12.00	15.02	14.60
15971	1.67	2.50	1.94	2 00	1.42	.....	9.95	8.00	18.31	18.75
15972	0.78	1.00	1.65	2.00	1.62	.....	10.73	10.00	13.28	15.50
15879	.....	.....	.....	.....	0.37	2.00	15.39	14.00	12.31	11.20
15880	0.78	0.50	3.28	2.00	0.92	1.00	7.02	7.00	11.81	8.55
15881	2.54	2.50	2.99	2.50	1.02	2.00	9.22	9.00	21.51	21.05
15882	2.14	2.00	3.01	2.50	1.55	1.00	7.82	9.00	18.94	18.90
15883	1.67	1.50	3.28	3.00	0.72	1.00	7.84	8 00	17.26	16.65
15884	.....	.....	3.32	3.00	0.35	.....	10.52	11.00	11.81	11.80
16065	2.27	2.00	4.79	5.00	1.07	1.00	10.45	11.00	23.62	23.40
15885	1.03	1.00	3.76	3.00	0.82	1.00	8.54	9.00	16.24	15.90
15877	1.01	1.25	3.41	2.25	1.77	.....	7.65	8.00	15.31	14.63
15878	1.02	1.00	2.73	2.00	1.22	.....	8.01	9.00	14.80	14.50
15804	.....	.....	2.02	2 00	1.87	2 00	9.02	10.00	9.61	10.40
15903	1.81	2.00	2.31	2.00	2.80	2.00	7.54	8.00	17.31	17.80

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
15811	Fogle & Miller, Woodsboro, Md.	Maryland Plow Brand...	Baltimore.....
15805	" " "	Maryland Soluble Bone Phosphate.	Baltimore.....
15904	" " "	Maryland Special Mixture.	Woodsboro.....
15803	" " "	Maryland Sun Guano....	Baltimore.....
15905	Frederick County Farmers Exchange, Frederick, Md.	Ammoniated Bone.....	Frederick.....
15906	" " "	Rock & Potash Mixture..	Frederick.....
15812	J. W. Freeman, Great Mills.	Crop Grower.....	Baltimore.....
16006	T. H. Gill, Avalon, Va....	Try Me Fertilizer.....	Baltimore.....
15886	Griffith & Boyd, Baltimore, Md.	Ammoniated Bone Phosphate.	Union Mills.....
15962	" " "	Ammoniated Soluble Bone.	Baltimore.....
16073	" " "	Buyers Mixture.....	Cordova..... (W. F. Jump).
16078	" " "	Buyers Mixture.....	Chestertown..... (W. S. Collins).
16007	" " "	Buyers Mixture.....	Baltimore.....
15887	" " "	Cereal Bone Plant Food.	Union Mills.....
16094	" " "	Fish Bone & Potash.....	Hurlock..... (G. A. Woolen).
15907	" " "	Fish Bone & Potash.....	Laurel.....
16008	" " "	Harvest Queen Phosphate.	Baltimore.....
15917	" " "	H. G. Acid Phosphate...	Ellicott City.....
15947	" " "	Original Super Phosphate.	Sudlersville.....
15918	" " "	Peerless Fertilizer.....	White Hall.....
15963	" " "	Pure Dissolved Animal Bone.	Baltimore.....
15949	" " "	Pure Fine Ground Bone Meal.	Baltimore.....
16009	" " "	Royal Potash Guano.....	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
15811	1.06	1.00	2.01	2.00	2.75	1.00	8.03	8.00	$14.85	$13.90
15805	.....	.....	.....	.....	1.65	1.00	13.24	14.00	10.59	11.20
15904	.....	.....	3.72	4.00	1.50	1.50	8.72	10.00	11.00	12.30
15803	0.89	0.50	1.57	1.00	1.40	1.00	8.82	8.00	12.03	9.35
15905	1.01	1.00	2.44	2.00	1.42	.....	10.02	10.00	16.57	15.50
15906	.....	.....	2.31	2.00	2.00	.....	9.81	10.00	10.56	10.00
15812	1.11	1.00	1.02	1.00	0.80	1.50	7.65	8.00	12.88	13.10
16006	2.03	2.00	2.38	2.00	1.94	.....	9.87	9.00	20.14	18.00
15886	1.84	2.00	2.19	2.00	2.70	.....	8.36	8.00	18.07	17.00
15962	1.04	1.00	2.25	2.00	2.32	.....	7.59	7.00	14.41	12.50
16073	.....	.....	4.73	5.00	2.50	.....	11.59	12.00	14.50	14.60
16078	.....	.....	4.77	5 00	2.47	.....	11.03	12.00	14.08	14.60
16007	.....	.....	4.87	5.00	2.45	.....	12.04	12.00	14.99	14.60
15887	1.02	1.00	2.02	2.00	2.42	.....	8.80	8.00	15.36	13.50
16094	1.67	1.75	4.03	3.00	1.95	1.00	7.90	7.00	18.56	16.53
15907	1.79	1.75	2.83	3.00	3.15	.....	6.67	7.00	17.03	16.13
16008	1.26	1.25	3.26	3.00	1.82	.....	8.81	9.00	17.21	16.38
15917	.....	.....	.....	.....	2.42	.....	14.35	14.00	11.48	11.20
15947	.....	.....	.....	.....	3.05	.....	13.48	12.00	10.78	9.60
15918	0.40	0.35	2.02	2.00	2.77	.....	8.69	8.00	10.92	9.63
15963	2.06	2.50	.....	.....	2.20	.....	9.05	10.00	17.14	18.75
15949	4.02	4.00	.....	.....	18.05*	22.00*	.....	.....	27.52	.....
16009	1.20	1.00	3.08	4.00	2.82	.....	8.61	8.00	17.02	15.50

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
15935	Griffith & Boyd, Baltimore, Md.	Soft Ground Bone Meal..	Van Bibber.....
16069	" " "	Special Alkaline	Cecilton. ..... (L. W. Davis).
16010	" " "	Special Alkaline Bone Mixture.	Baltimore. ... .
15919	" " "	Special Grain Grower....	Ellicott City .....
16093	" " "	Spring Crop Grower	Hurlock. ..... (G. A. Woolen).
16032	" " "	Spring Crop Grower	Baltimore. .....
15936	" " "	Spring Crop Grower	Van Bibber .....
15979	" " "	Stable Manure Substitute	Zion .....
15888	" " "	Valley Fertilizer.....	Union Mills .....
15920	" " "	X. X. Potash Manure....	Ellicott City.....
16022	Griffith & Turner Co., Baltimore, Md.	Ammoniated Alkaline Plant Food.	Baltimore. .....
16030	" " "	Ammoniated Butchers' Bone Phosphate.	Baltimore. .....
15922	" " "	Ammoniated Butchers' Bone Phosphate.	Reisterstown.....
16011	" " "	Animal Bone Phosphate..	Baltimore. .....
15921	" " "	H. G. Acid Phosphate ...	Reisterstown.....
15923	" " "	Soft Ground Bone	Reisterstown.....
15924	" " "	Special Mixture	Reisterstown.....
15925	" " "	Wheat Grower.....	Reisterstown.....
16150	Hampstead Fertilizer Co., Hampstead, Md.	Grain and Grass Grower .	Hampstead .....
16151	" " "	Standard	Hampstead .....
16112	Hanway, Barnes & McComas, Bel Air, Md.	H. & K. Special Mixture.	Baltimore. .....
16241	" " "	H. & K. Standard High Grade.	Bel Air .....
16334	S. M. Hess & Bro., Philadelphia, Pa.	Ammoniated Bone Superphosphate.	Baltimore. .....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
15935	3.53	3 00	.....	.....	10.28*	11.00*	.....	.....	$19.36	.....
16069	.....	.....	4.32	3.00	2.65	.....	10.58	12.00	13.31	$12.60
16010	.....	.....	3.72	3.00	2.32	1.00	10.21	12.00	12.35	12.80
15919	.....	.....	2.03	2.00	2.12	.....	10.36	10.00	10.74	10.00
16093	2.02	2.00	3.88	4.50	3.07	1.50	8.60	6.50	20.78	18.60
16032	1.70	2.00	4.36	4.50	2.92	.....	7.12	6.50	18.60	18.00
15936	1.84	2.00	3.83	4.50	2.27	.....	7.42	6.50	18.60	18.00
15979	3.51	3.50	3.52	4.00	3.12	.....	6.05	5.00	23.11	21.25
15888	0.60	0.50	2.33	3.00	2.37	.....	8.60	8.00	11.78	11.15
15920	.....	.....	4.79	5.00	2.35	.....	10.15	10.00	13.38	13.00
16022	0.80	1.00	1.71	1.50	4.75	1.00	7.75	6.50	11.66	11.90
16030	1.55	1.25	2.59	1.50	2.40	1.00	9.15	9.00	18.13	15.28
15922	0.97	1.25	1.94	1.50	2.22	1.00	8.62	9.00	14.85	15.28
16011	2.85	2.50	2.81	1.50	2.60	1.00	7.67	10.00	21.50	20.65
15921	.....	.....	.....	.....	2.51	1.00	14.04	14.00	11.23	11.20
15923	2.30	2 00	.....	.....	23.20*	50.00†	.....	.....	28.28	.....
15924	0.39	0.50	2.01	2.00	2.90	1.00	8.47	8.00	10.74	10.35
15925	1.51	1.50	3.57	3.00	2.02	.....	9.17	8.00	18.84	16.25
16150	1.62	1.50	2.25	2.00	1.22	.....	8.46	8.00	16.87	15.25
16151	1.34	1.25	3.24	3.00	1.17	.....	10.24	10.00	18.64	17.38
16112	1.05	1.00	2.35	2.00	0.82	1.00	9.19	9.00	15.55	14.90
16241	2.15	2 00	3.22	3.00	1.75	1.00	7.30	8.00	18.75	18.40
16334	2.08	2.00	2.11	2.00	2.52	.....	7.52	8.00	18.92	17.00

* Total Phosphoric Acid.
† Total "Bone Phosphate."

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
16335	S. M. Hess & Bro., Philadelphia, Pa.	Farmers' Cereal King ...	Baltimore .....
16336	" " "	Ground Bone	Baltimore .....
16337	" " "	Keystone Bone Phosphate	Baltimore .....
16135	" " "	Peerless Phosphate	Gaithersburg .....
16338	" " "	Soluble Bone	Baltimore .....
16339	" " "	Soluble Bone and Potash.	Baltimore .....
16340	" " "	Special Compound	Baltimore .....
16306	" " "	Wheat and Grass Manure.	Childs. .....
16341	The Home Fertilizer Chemical Works, Balto., Md.	Boykins' H. G. Acid Phosphate.	Baltimore .....
16152	W. H. Hood, Mt. Airy, Md.	Special Mixture for Grain and Grass.	Mt. Airy .....
16104	The Hubbard Fertilizer Co., Baltimore, Md.	Alkaline	Baltimore .....
16092	" " "	Bone and Potash.....	Park Hall ..... (G. D. Hammett).
16316	" " "	Climax Bone Super-Phosphate.	Towers' Wharf ....
16276	" " "	Columbia Gem Phosphate.	Baltimore. .....
16169	" " "	Columbia Gem Phosphate.	Greenmount .....
16110	" " "	Dissolved Animal Bone and Potash.	Baltimore.....
16101	" " "	Dissolved Bone	Baltimore .....
16270	" " "	Farmers' I. X. L. Superphosphate.	Baltimore .....
16153	" " "	H. G. Soluble Tennessee Phosphate.	Lineboro .....
16103	" " "	Oriental Phosphate for Wheat and Grass.	Baltimore .....
16100	" " "	Pure Raw Bone.....	Baltimore .....
16269	" " "	Royal Ensign	Baltimore .....
16188	" " "	Soluble Bone and Potash.	Walkersville.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16335	.....	.....	3.20	3.00	.40	1.00	12.57	12.00	$13.34	$12.80
16336	4.02	4.00	.....	.....	20.06*	40.00†	.....	.....	28.43	.....
16337	1.13	1.00	1.40	1.00	1.35	.....	8.28	8.00	14.18	12.50
16135	.....	.....	5.02	5.00	.75	1.00	12.20	12.00	14.93	14.80
16338	.....	.....	.....	.....	1.12	1.00	13.90	14.00	11.12	11.20
16339	.....	.....	2.15	2.00	.80	.....	10.32	10.00	10.57	10.00
16340	1.16	1.00	3.84	4.00	1.20	1.00	8.24	8.00	16.62	15.90
16306	1.02	1.00	2.31	3.00	1.27	1.00	8.32	10.00	14.71	16.90
16341	.....	.....	.....	.....	.15	.....	14.01	14.00	11.21	11.20
16152	.78	1.00	1.51	2.00	2.95	.....	11.71	9.00	14.20	14.50
16104	.....	.....	3.18	3.00	1.80	.....	10.03	12.00	11.56	12.60
16092	.....	.....	1.01	2.00	1.45	.....	5.43	10.00	5.64	10.00
16316	1.02	1.00	4.15	4.00	3.50	.....	6.00	7.00	15.12	14.50
16276	.54	.50	1.51	1.00	.50	.....	8.51	8.00	10.31	9.15
16169	.84	.50	1.73	1.00	2.20	.....	8.10	8.00	11.59	9.15
16110	1.13	1.00	2.11	2.00	2.30	.....	8.01	8.00	15.00	13.50
16101	1.98	2.50	.....	.....	3.47	.....	10.48	10.00	18.80	18.75
16270	2.29	2.00	3.24	2.00	2.82	.....	6.09	8.00	18.48	17.00
16153	.....	.....	.....	.....	1.85	.....	14.35	14.00	11.48	11.20
16103	1.07	1.00	.68	1.00	2.40	.....	8.34	8.00	13.73	12.50
16100	4.60	4.00	.....	.....	21.00*	40.00†	.....	.....	29.79	.....
16269	2.61	3.00	4.81	4.00	2.52	.....	6.14	8.00	21.10	22.50
16188	.....	.....	1.73	2.00	1.30	.....	10.34	10.00	10.26	10.00

* Total Phosphoric Acid.
† Total "Bone Phosphate."

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
16085	The Hubbard Fertilizer Co., Baltimore, Md.	Special Mixture	Buck Lodge (Reid Bros.)
16111	" " "	Special Mixture of Bone and Potash.	Baltimore
16102	" " "	Standard Bone Super-Phosphate.	Baltimore
16376	" " "	Wheat Growers Jewel	Elk Mills
16219	M. P. Hubbard & Co., Baltimore, Md.	Celebrated Bone Phosphate for General Use.	Laurel
16283	" " "	Excelsior Bone Phosphate	Cockeysville
16284	" " "	Farmers Acme	Baltimore
16189	" " "	Fish Bone and Potash	Emmittsburg
16285	" " "	Harvest King	Cockeysville
16190	" " "	Old Economy, Best for the Money.	Walkersville
16377	" " "	Pure Raw Bone Meal	Baltimore
16342	" " "	S. C. Bone Phosphate	Baltimore
16259	" " "	Soluble Bone and Potash for Wheat and Grass.	Millington
16333	" " "	12 x 5	Greensboro
16260	Wilbur W. Hubbard, Chestertown, Md.	Bone Special Super Phosphate.	Chestertown
16261	" " "	Our Imperial Compound	Chestertown
16262	" " "	Our Victor Fertilizer	Barclay
16343	S. L. Lamberd Co., Baltimore, Md.	Boss Fertilizer	Baltimore
16344	" " "	Favorite Fertilizer	Baltimore
16317	Lister's Agricultural Chemical Works, Newark, N. J.	Alkaline Bone	Cambridge
16345	" " "	Alkaline Bone No. 1	Baltimore
16220	" " "	Bone Meal	Savage
16221	" " "	Celebrated Ground Bone Acidulated.	Laurel

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16085	1.02	1.00	2.01	2.00	2.54	.....	8.30	10.00	$14.90	$15.50
16111	.....	.....	3.24	4.00	1.55	.....	9.37	10.00	11.05	12.00
16102	2.01	2.00	2.48	3.00	2.12	.....	8.34	8.00	18.71	18.00
16376	1.19	1.50	1.03	2.00	2.12	.....	10.39	9.00	16.44	16.25
16219	1.66	2.00	1.92	2.00	1.62	.....	10.22	9.00	18.60	18.00
16283	1.06	1.00	1.76	2.00	1.18	.....	10.36	8.00	16.30	13.50
16284	1.84	2.00	2.01	2.00	1.67	.....	9.41	7.00	18.53	16.00
16189	0.36	0.25	1.74	1.00	0.77	.....	7.18	6.00	8.89	6.68
16285	1.02	1.00	2.27	3.00	1.23	.....	9.78	8.00	16.11	14.50
16190	0.41	0.50	2.01	2.00	0.40	.....	9.80	8.00	11.37	10.15
16377	3.74	4.00	.....	.....	19.56*	40.00†	.....	.....	27.79	.....
16342	.....	.....	.....	.....	1.12	.....	14.34	14.00	11.47	11.20
16259	.....	.....	1.73	2.00	0.42	2.00	12.09	10.00	11.48	10.40
16333	.....	.....	4.09	5.00	0.47	.....	12.62	12.00	14.28	14.60
16260	1.26	1.25	2.83	3.00	2.47	.....	8.67	9.00	16.90	16.38
16261	1.79	1.75	2.58	3.00	1.67	.....	9.39	8.00	18.91	17.13
16262	0.92	1.00	2.07	2.00	4.32	.....	7.12	8.00	14.14	13.50
16343	1.88	2.00	3.92	4.50	2.45	1.00	7.56	6.50	19.04	18.40
16344	1.05	1.00	1.71	2.00	3.55	1.00	7.67	8.00	14.48	13.90
16317	.....	.....	2.02	2.00	0.85	.....	10.07	10.00	10.25	10.00
16345	.....	.....	5.01	5.00	1.17	.....	12.24	12.00	15.03	14.60
16220	3.34	3.25	.....	.....	25.90*	23.00*	.....	.....	32.13	.....
16221	3.52	3.25	.....	.....	14.01*	12.00*	.....	.....	22.71	.....

* Total Phosphoric Acid,
† Total " Bone Phosphate."

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
16318	Lister's Agricultural Chemical Works, Newark, N. J.	"G" Brand Fertilizer....	Cambridge .....
16136	" " "	Harvest Queen Phosphate	Gaithersburg.....
16346	" " "	Special Crop Producer ...	Baltimore.....
16137	" " "	Standard Pure Bone Super-Phosphate of Lime.	Gaithersburg.....
16347	" " "	Wheat Fertilizer.....	Baltimore.....
16113	The D. B. Martin Co., Philadelphia, Pa.	Acid Phosphate	Baltimore.....
16222	" " "	Corn and Cereal Special..	Ellicott City.....
16114	" " "	Crop Producer	Baltimore.....
16115	" " "	Dissolved Organic Compound	Baltimore.....
16382	" " "	One, Eight and Four.....	Chestertown .....
16191	" " "	Potash and Soluble Bone.	Walkersville .....
16348	" " "	Pure Animal Bone and Potash.	Baltimore.....
16145	" " "	Pure Dissolved Animal Bone.	Silver Spring.....
16116	" " "	Pure Ground Bone	Baltimore.....
16117	" " "	Pure Raw Bone Meal	Baltimore.....
16155	" " "	Special Wheat and Grass Mixture.	Sykesville.....
16063	" " "	Sure Grower.....	Frederick ..... (W. O. Glaze).
16156	" " "	Sure Grower.....	Lineboro .....
16157	F. Mehring, Bruceville, Md.	Acid Phosphate	Bruceville.....
16158	" " "	Dissolved Raw Bone.	Taneytown.....
16159	" " "	Emmert's Half-and-Half.	Bruceville, ...
16062	" " "	General Crop Grower	Frederick ..... (W. O. Glaze).
16160	" " "	General Crop Grower	Taneytown.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16318	1.16	1.00	4.09	4.00	1.35	.....	8.21	8.00	$16.90	$15.50
16136	1.58	1.50	2.27	2.00	2.52	.....	9.01	9.00	17.82	16.25
16346	1.16	1.00	1.43	1.00	.75	.....	7.25	7.00	13.04	11.50
16137	3.14	3.00	2.25	2.00	3.30	.....	9.16	9.00	23.72	21.50
16347	2.30	2.00	3.10	3.00	3.95	1.00	8.66	8.00	21.39	18.40
16113	.....	.....	.....	.....	.47	.....	14.08	14.00	11.26	11.20
16222	2.02	2.00	2.52	2.00	4.00	.....	7.81	8.00	19.00	17.00
16114	1.50	1.25	.....	.....	3.34	.....	10.02	10.00	16.61	14.38
16115	1.32	1.25	2.31	2.00	1.67	.....	9.68	9.00	17.28	15.38
16382	1.26	1.00	4.11	4.00	2.07	.....	8.50	8.00	17.85	15.50
16191	.....	.....	2.44	2.00	.80	.....	10.87	10.00	11.30	10.00
16348	2.06	2.00	3.08	2.50	22.65*	16.00*	.....	.....	.....	.....
16145	2.20	2.00	.....	.....	3.80	.....	12.24	12.00	21.46	19.00
16116	2.20	2.00	.....	.....	24.98*	22.90*	.....	.....	29.33	.....
16117	4.52	4.50	.....	.....	23.20*	21.00*	.....	.....	32.12	.....
16155	1.02	1.00	1.14	1.00	1.85	.....	9.55	8.00	15.00	12.50
16063	1.08	1.00	1.18	1.00	1.75	.....	9.26	8.00	14.92	12.50
16156	1.16	1.00	1.28	1.00	2.97	.....	8.38	8.00	14.91	12.50
16157	.....	.....	.....	.....	3.22	1.00	15.72	15.00	12.58	12.00
16158	2.16	2.00	.....	.....	1.75	1.00	16.60	14.00	24.86	21.40
16159	1.01	1.00	2.02	2.00	2.40	1.00	13.62	13.00	20.14	18.90
16062	1.04	1.00	1.63	1.25	3.42	1.00	12.28	11.00	18.92	16.15
16160	1.02	1.00	1.45	1.25	3.70	1.00	11.60	11.00	18.10	16.15

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
16161	F. Mehring, Bruceville, Md.	Potash and Phosphoric Acid.	Bruceville.
16162	" " "	Twenty-Six-Dollar Phosphate.	Taneytown.
16080	The Miller Fertilizer Co., Baltimore, Md.	Ammoniated Dissolved Bone.	Cordova. (A. Hunteman).
16223	" " "	Ammoniated Dissolved Bone.	Ellicott City
16071	" " "	Buyers' Mixture	Chestertown. (P. A. M. Brooks).
16277	" " "	Buyers' Mixture	Baltimore
16192	" " "	Clinch Phosphate Rock and Potash.	Motters
16163	" " "	Club Brand	Lineboro
16224	" " "	Dissolved Raw Bone	Ellicott City
16118	" " "	Ground Bone	Baltimore
16164	" " "	Harvest Queen	Lineboro
16165	" " "	Hustler Phosphate	Lineboro
16225	" " "	Potato and Vegetable Grower.	Bradshaw.
16387	" " "	S. C. Rock	Baltimore
16226	" " "	Standard Phosphate	Cockeysville
16193	" " "	W. G. Phosphate	Middletown
16194	Nicodemus & Grimes, Monrovia, Md.	Sullivan's S. S. S.	Monrovia
16166	G. Ober & Sons Co., Baltimore, Md.	Dissolved Animal Bone	New Windsor
16227	" " "	Dissolved Bone Phosphate	Cockeysville.
16119	" " "	Dissolved Bone Phosphate and Potash.	Baltimore.
16275	" " "	Dissolved Bone Phosphate and Potash.	Baltimore.
16133	" " "	Farmers' Mixture	Germantown
16120	" " "	Farmers' Standard Ammoniated Phosphate.	Baltimore.

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16161	.....	.....	1.78	2.00	2.35	1.00	13.70	12.00	$13.21	$ 11.80
16162	1.64	1.50	1.78	1.50	4.60	1.00	11.74	12.00	21.10	19.15
16080	2.02	2.00	2.60	2.00	1.05	1.50	7.56	8.00	17.65	17.60
16223	2.24	2.00	2.01	2.00	1.25	1.50	7.71	8.00	18.06	17.60
16071	.....	.....	5.01	5.00	0.98	.....	12.03	12.00	14.83	14.60
16277	.....	.....	4.73	5.00	0.88	.....	12.47	12.00	14.89	14.60
16192	.....	.....	1.67	2.00	0.55	2.00	10.27	10.00	10.00	10.40
16163	0.51	0.50	2.58	2.00	0.47	1.50	8.11	8.00	10.95	10.45
16224	2.54	2.50	.....	.....	2.82	2.00	11.68	11.00	21.70	20.55
16118	5.00	4.50	.....	.....	22.20*	21.00*	.....	.....	31.44	.....
16164	1.32	1.25	3.06	2.75	0.80	1.50	8.92	9.00	16.92	16 73
16165	1.08	1.00	1.14	1.00	0.70	1.50	8.10	8.00	13.30	13.10
16225	2.12	2.00	4.46	4.00	1.64	1.50	7.45	8.00	19.99	19.60
16387	.....	.....	.....	.....	0.45	.....	14.20	14.00	11.36	11.20
16226	2.83	3.00	3.18	3.00	2.42	1.50	7.30	8.00	21.36	22 10
16 93	0.51	.50	1.38	1.00	0.85	1.50	7.14	7.00	9.05	8.65
16194	2.05	2.00	2.52	2.00	1.50	.....	8.08	9.00	18.38	18.00
16166	3.14	3.00	.....	.....	2.25	.....	14.41	10.00	26.30	20.50
16227	.....	.....	.....	.....	.22	.....	15.08	14.00	12.06	11.20
16119	.....	.....	2.04	2.00	0.70	.....	10.73	10.00	10.76	10.00
16275	.....	.....	4.69	3.00	1.35	.....	12.68	12.00	15.10	12.60
16138	1.26	1.00	2.27	2.00	1.55	.....	9.62	9.00	16.92	14.50
16120	2.17	2.00	2.48	2.00	1.60	.....	9.02	9.00	19.74	18 00

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling. (and Sampler, when not the College.)
16349	G. Ober & Sons Co., Baltimore, Md.	Fish and Potash Fertilizer.	Baltimore
16319	" " "	Geo. E. Thawley's Special Wheat Formula No. 1.	Centerville
16106	" " "	H. G. Acid Phosphate	Baltimore
16167	" " "	Independent Ammoniated Super Phosphate.	New Windsor
16079	" " "	McKenneys Compound	Centerville (W. S. Collins)
16320	" " "	McKenneys Compound	Centerville
16321	" " "	McKenneys No. 1.-D	Centerville
16350	" " "	Pure Raw Bone Meal	Baltimore
16121	" " "	Special Plant Food	Baltimore
16105	" " "	Standard Potash Compound.	Baltimore
16292	The Oxford Fertilizer Co., Oxford, Md.	Crab Guano	Salisbury
16263	Patapsco Guano Co., Baltimore, Md.	Alkaline Phosphate	Georgetown
16122	" " "	Baltimore Soluble Phosphate.	Baltimore
16168	" " "	Blood Bone and Potash for all Crops.	Greenmount
16322	" " "	Buyers Mixture	Centerville
16170	" " "	Coon Brand Guano	Greenmount
16123	" " "	Dissolved Raw Bone	Baltimore
16124	" " "	Grain and Grass Producer.	Baltimore
16278	" " "	Grange Mixture	Baltimore
16351	" " "	H. G. Bone and Potash	Baltimore
16187	" " "	Phospho-Potash	Greenmount
16109	" " "	Pure Dissolved S. C. Bone.	Baltimore
16228	" " "	Pure Ground Bone	Cockeysville

No.	NITROGEN Calculated as AMMONIA.		POTASH K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16349	2.05	2.00	2.54	2.00	2.02	.....	9.01	9.00	$19.54	$18.00
16319	1.31	1.00	2.37	2.00	1.67	.....	9.85	9.00	17.48	14.50
16106	.....	.....	.....	.....	0.20	.....	16.65	16.00	13.32	12.80
16167	1.15	1.00	1.32	1.00	1.22	.....	9.68	8.00	15.52	12.50
16079	1.94	1.50	3.01	2.35	4.20	.....	10.30	8.00	21.78	15.60
16320	2.22	1.50	2.95	2.35	5.22	.....	8.57	8.00	21.38	15.60
16321	2.76	2.50	3.18	2.50	5.47	.....	8.68	6.00	23.71	17.25
16350	4.93	4.00	.....	.....	20.90*	21.00*	.....	.....	30.70	.....
16121	2.54	2.00	4.92	5.00	0.75	.....	8.57	9.00	22.68	21.00
16105	.....	.....	5.02	5.00	0.57	.....	13.23	12.00	15.71	14.60
16292	5.10	5.00	.....	.....	3.36*	3.34*	.....	.....	17.32	17.00
16263	.....	.....	3.10	3.00	0.92	.....	12.09	12.00	12.95	12.60
16122	.....	.....	2.03	2.00	0.35	.....	11.53	11.00	11.32	10.80
16168	0.65	0.50	2.02	2.00	0.97	.....	8.10	8.00	10.97	10.15
16322	.....	.....	4.71	5.00	0.82	.....	10.43	10.00	13.21	13.00
16170	1.16	1.00	3.04	3.00	1.02	.....	9.09	9.00	16.60	15.50
16123	2.73	2.50	.....	.....	3.52	.....	10.84	12.00	21.81	20.75
16124	1.08	1.00	4.01	4.00	1.12	.....	8.05	8.00	16.29	15.50
16278	2.04	2.00	2.27	2.00	2.32	.....	7.56	8.00	17.90	17.00
16351	.....	.....	5.04	5.00	0.90	.....	11.34	11.00	14.29	13.80
16187	.....	.....	3.53	3.00	0.50	1.00	6.34	6.00	8.70	8.00
16109	.....	.....	.....	.....	1.92	.....	14.02	14.00	11.22	11.20
16228	4.55	4.50	.....	.....	21.80*	45.00†	.....	.....	30.42	.....

* Total Phosphoric Acid.
† Total Bone Phosphate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
16125	Patapsco Guano Co., Baltimore, Md.	Sea Gull Guano	Baltimore
16126	" " "	Soluble Bone and Potash	Baltimore
16286	" " "	Special Wheat Compound.	Baltimore
16195	Piedmont-Mt. Airy Guano Co., Baltimore, Md.	Beckley's Bone Mixture	Halfway
16243	" " "	Dissolved Animal Bone	Aberdeen
16229	" " "	Dissolved Bone Phosphate	Owings' Mills
16089	" " "	Economy	Cambridge (A. Asmussen).
16127	" " "	Economy	Baltimore
16352	" " "	Farmers' H. G. Bone and Potash.	Baltimore
16128	" " "	Insula Guano	Baltimore
16098	" " "	Levering's Ammoniated Bone.	Grove (R. C. Murphy).
16091	" " "	Levering's Ammoniated Bone.	Cambridge (A. Asmussen).
16264	" " "	Levering's Ammoniated Bone.	Chestertown.
16353	" " "	Levering's Excelsior	Baltimore
16244	" " "	Levering's Harvest Queen	Fallston
16171	" " "	Levering's Standard	Mt. Airy
16075	" " "	Piedmont Farmers' Favorite.	Preston (T. H. McMahon).
16077	" " "	Piedmont Farmers' Favorite.	Tower's Wharf (B. F. Edgell).
16265	" " "	Piedmont Farmers' Favorite.	Greensboro
16070	" " "	Piedmont Perfection Guano.	Gaithersburg (T. Cavanaugh).
16129	" " "	Piedmont Perfection Guano.	Baltimore
16172	" " "	Piedmont Raw Bone Meal.	Mt. Airy
16173	" " "	Piedmont Success	Mt. Airy
16147	" " "	Peerless Phosphate	Germantown

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16125	1.13	1.00	1.09	1.00	0.97	.....	8.13	8.00	$13.57	$12.50
16126	.....	.....	2.06	2.00	0.60	.....	10.67	10.00	10.72	10.00
16286	2.39	2.25	2.89	2.50	3.80	5.00	10.02	9.00	22.80	21.38
16195	1.43	1.50	.....	.....	1.05	.....	14.59	14.00	20.02	19.25
16243	2.52	2.50	.....	.....	1.57	.....	11.48	10.00	20.93	18.75
16229	.....	.....	1.40	1.00	0.25	.....	10.90	10.50	10.17	9.40
16089	0.51	0.25	2.73	2.00	0.28	.....	9.09	10.00	11.85	10.88
16127	0.27	0.25	2.02	2.00	.55	.....	10.02	10.00	11.09	10.88
16352	.....	.....	2.66	2.00	1.22	.....	8.89	10.00	10.01	10.00
16128	0.60	0.50	2.23	2.00	0.50	.....	6.00	7.00	9.23	9.35
16098	1.10	1.00	5.14	3.00	0.32	2.00	6.85	9.00	15.97	16.30
16091	1.02	1.00	3.12	3.00	0.50	.....	9.14	9.00	16.03	15.50
16264	1.02	1.00	2.68	3.00	0.37	.....	8.25	9.00	14.65	15.50
16353	1.14	1.00	1.88	1.00	0.45	1.00	6.72	8.00	12.77	12.90
16244	1.12	1.00	3.16	2.00	0.30	.....	7.45	8.00	14.65	13.50
16171	2.01	2.00	3.84	3.00	1.60	.....	7.43	8.00	18.95	18.00
16075	1.01	1.00	5.06	4.00	0.50	.....	7.82	8.00	16.62	15.50
16077	0.92	1.00	4.56	4.00	0.50	.....	8.03	8.00	16.01	15.50
16265	1.08	1.00	4.50	4.00	0.50	.....	7.23	8.00	15.71	15.50
16070	2.15	2.00	4.57	5.00	1.62	.....	7.74	8.00	20.49	20.00
16129	2.15	2.00	6.17	5.00	.72	.....	8.03	8.00	22.02	20.00
16172	4.01	4.00	.....	.....	20.75*	20.40*	.....	.....	29.66	.....
16173	0.26	0.25	4.73	5.00	.42	.....	8.39	9.00	12.43	13.08
16147	1.05	1.00	1.98	1.50	1 22	.....	7.90	8.00	14.05	13.00

*Total Phosphoric Acid

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
16230	Piedmont-Mt. Airy Guano Co., Baltimore, Md.	Pure Raw Bone Mixture.	Owings' Mills .....
16354	" " "	Royal Ammoniated Bone and Potash.	Baltimore. .....
16130	" " "	S. C. Bone.....	Baltimore. .....
16196	" " "	Soluble Bone and Potash	Hancock .....
16378	" " "	Special Potash Mixture ..	Baltimore. .....
16174	" " "	Special Wheat and Grass Fertilizer.	Mt. Airy.....
16175	" " "	Standard Dissolved Bone Phosphate.	Mt. Airy.....
16090	" " "	Wheat Compound.....	Cambridge ..... (A. Asmussen).
16231	Pocohontas Guano Co., Baltimore, Md.	Pure Raw Bone Meal	Ellicott City.....
16245	Pollock Fertilizer Co., Baltimore, Md.	Ammoniated Bone Phosphate.	Conowingo .....
16293	" " "	Dissolved Bone and Potash	Snow Hill. .....
16379	" " "	Ground Animal Bone.....	Baltimore. .....
16176	" " "	Owl Brand Guano.....	Melrose .....
16177	" " "	S. C. Bone	Melrose .....
16355	" " "	Soft Ground Bone.....	Baltimore. .....
16178	" " "	Soluble Bone Phosphate..	Melrose .....
16356	" " "	Special Tobacco and Potato Fertilizer.	Baltimore. .....
16246	" " "	Special Wheat Grower...	Fallston... .....
16197	" " "	Victor Bone Phosphate...	Emmittsburg.....
16081	L. M. Price, Smyrna, Del.	Corbitt's Mixture.....	St. Augustine..... (H. Jewell).
16139	Ramsburg Fertilizer Co., Frederick, Md.	Alkaline Phosphate	Gaithersburg.....
16086	" " "	Ammoniated Bone Phosphate.	Buck Lodge..... (Reid Bros.)
16140	" " "	Ammoniated Bone Phosphate.	Gaithersburg.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16230	1.47	1.25	2.23	2.00	2.32	.....	7.13	8.00	$15.44	$14.38
16354	1.04	1.30	3.78	3.00	0.65	.....	5.58	6.00	13.26	13.55
16130	.....	.....	.....	.....	0.20	.....	13.63	14.00	10.90	11.20
16196	.....	.....	2.46	2.00	0.47	.....	7.26	8.00	8.36	8.40
16378	.....	.....	4.84	5.00	0.14	.....	10.67	10.00	13.39	13.00
16174	2.08	2.00	2.01	2.00	1.10	1.00	8.38	8.50	18.11	17.90
16175	1.03	1.00	2.21	2.00	1.00	1.50	9.73	10.00	15.95	16.10
16090	.....	.....	4.23	5.00	0.05	.....	11.55	12.00	13.48	14.60
16231	4.54	4.50	.....	.....	23.42*	22.00*	.....	.....	30.73	.....
16245	2.07	2.00	2.13	2.00	2.37	1.00	8.10	8.00	18.43	17.40
16293	.....	.....	3.87	4.00	1.02	1.00	10.20	10.00	12.23	12.20
16379	4.10	4.00	.....	.....	20.04*	22.00*	.....	.....	28.48	.....
16176	0.65	0.50	1.63	1.50	1.05	1.00	7.06	7.00	9.77	9.05
16177	.....	.....	.....	.....	1.37	1.00	13.45	14.00	10.76	11.20
16355	3.09	3.00	.....	.....	15.38*	14.00*	.....	.....	22.21	.....
16178	.....	.....	2.19	2.00	1.00	1.00	10.05	10.00	10.43	10 20
16356	2.01	2.00	4.34	4.00	1.70	1.00	8.84	8.00	20.90	19.40
16246	1.16	1.00	2.19	2.00	1.02	.....	8.04	8.00	14.70	13.50
16197	.....	.....	1.20	1.00	1.13	1.00	9.07	9.00	8.69	8.40
16081	.....	.....	4.81	5.00	0.58	.....	12.10	12.00	14.61	14.60
16139	.....	.....	1.93	2.00	1.85	2.00	12.15	10.00	12.02	10.40
16086	1.01	1.00	1.92	2.00	4.00	2.00	9.93	10.00	16.99	16.30
16140	1.01	1.00	1.53	2.00	3.40	2.00	10.51	10.00	16.94	16.30

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
16141	Ramsburg Fertilizer Co., Frederick, Md.	Dissolved Bone	Silver Spring
16142	" " "	Dissolved Bone Super-Phosphate.	Washington Grove.
16198	" " "	Excelsior Half-and-Half	Frederick
16143	" " "	Excelsior Plant Food	Silver Spring
16144	" " "	Old Virginia Compound	Silver Spring
16199	" " "	Queen	Monrovia
16271	Rasin-Monumental Co., Baltimore, Md.	Best Wheat and Grass Producer.	Baltimore
16088	" " "	High Grade Bone and Potash.	Preston (A. Gadow).
16385	" " "	High Grade Bone and Potash.	Baltimore
16272	" " "	National Crop Compound.	Baltimore
16200	" " "	Rasin's Acid Phosphate	Cumberland
16201	" " "	Rasin's Bone and Potash Fertilizers.	Cumberland
16307	" " "	Rasin's Dissolved Bone	Leslie
16294	" " "	Rasin's Empire Guano	Princess Anne
16295	" " "	Rasin's I. X. L. Fertilizer	Princess Anne
16202	" " "	Rasin's Royal Fish Bone and Potash.	Monrovia
16074	" " "	Rasin's Special	Cecilton. (J. A. Pierce).
16068	" " "	Rasin's Special Bone and Potash.	Earleville (R. A. Duhamell).
16296	" " "	Rasin's Special Bone and Potash.	Princess Anne
16179	" " "	Rasin's Special Bone and Potash.	Mt. Airy
16297	" " "	Rasin's Special Fish and Potash Manure.	Princess Anne
16298	" " "	Rasin's Special Formula for Corn and Tomatoes.	Pocomoke
16323	" " "	Rasin's Wheat Potash Fertilizer.	Federalsburg

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16141	2.05	2.00	.....	.....	8.00	.....	10.41	10.00	$20.79	$17.00
16142	.....	.....	.....	.....	1.77	2.00	15.21	14.00	12.17	11.20
16198	1.25	1.00	1.49	1.00	4.15	2.00	11.73	10.00	19.26	15.30
16143	2.08	2.00	2.01	2.00	2.55	.....	9.95	9.00	20.26	18.00
16144	1.57	1.50	2.02	2.00	3.17	2.00	9.88	9.00	18.67	17.05
16199	0.55	0.50	1.11	1.00	1.97	2.00	10.65	8.00	11.95	9.55
16271	1.96	1.50	3.45b	3.00b	3.40	1.00	9.32	8.00	21.68	17.25
16088	.....	.....	5.02	5.00	1.37	1.00	11.33	12.00	14.35	14.80
16385	.....	.....	5.89	5.00	1.53	1.00	12.14	12.00	15.91	14.80
16272	1.23	1.00	4.50	4.00	1.92	1.00	8.70	8.00	18.28	15.90
16200	.....	.....	.....	.....	1.02	1.00	14.92	14.00	11.94	11.20
16201	.....	.....	2.27	2.00	1.60	1.00	10.07	10.00	10.65	10.20
16307	2.42	2.00	.....	.....	4.22	1.00	9.54	10.00	19.70	17.40
16294	1.95	2.00	2.58	2.00	3.35	1.00	7.66	8.00	18.41	17.40
16295	1.16	1.00	3.55	3.00	1.50	1.00	9.69	9.00	17.90	15.90
16202	2.18	2.00	3.08	3.00	2.37	1.50	6.73	8.00	18.39	18.60
16074	.....	.....	3.24	3.00	0.62	1.00	12.06	12.00	13.01	12.80
16068	.....	.....	3.45	3.00	0.72	1.00	12.16	12.00	13.32	12.80
16296	.....	.....	5.01	5.00	3.41	1.00	10.06	10.00	13.74	13.20
16179	.....	.....	3.41	3.00	0.87	1.00	11.87	12.00	13.08	12.80
16297	2.88	2.00	3.49	3.00	3.32	1.00	6.05	6.00	20.95	16.40
16298	.....	.....	3.16	3.00	2.25	1.00	7.44	6.00	9.56	8.00
16323	.....	.....	5.16	5.00	1.05	1.00	7.89	8.00	11.68	11.60

b Contains Sulphate of Potash.

No.	Name and address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
16324	Rasin-Monumental Co., Baltimore, Md.	Rasin's X. X. X. Fertilizer	Goldsboro
16380	" " "	Sea Wall Special	Baltimore.
16146	" " "	Triple Bone and Potash	Germantown
16203	" " "	William Penn Crop Grower	Monrovia
16308	" " "	Wheat, Corn and Oats Mixture	Bay View
16309	The Scott Fertilizer Co., Elkton, Md.	Pure Ground Raw Bone	Childs
16266	" " "	Soluble Bone and Potash.	Georgetown.
16310	" " "	Standard Phosphate	Elkton
16311	" " "	Sure Growth Compound	Childs
14247	" " "	Sure Growth Super-Phosphate.	Aberdeen
16312	" " "	Tip Top Soluble Bone	Childs
16148	Seneca Elevator Co., Seneca, Md.	Darby's Ammoniated and Raw Bone Compound.	Muddy Branch
16248	Southern Fertilizer Co., Chanceford, Pa.	Ammoniated Dissolved Bone.	Forest Hill
16287	" " "	Dissolved Bone Phosphate	Baltimore
16358	" " "	Farmers' Choice Brand	Baltimore
16288	" " "	Farmers' Mixture	Baltimore
16249	" " "	General Crop Grower	Forest Hill
16250	" " "	Imperial Phosphate	Forest Hill
16359	" " "	Ox Brand Bone and Potash Mixture.	Baltimore.
16289	" " "	Royal Wheat and Grass Grower.	Baltimore.
16290	" " "	Soluble Bone and Potash.	Baltimore.
16251	" " "	Special Potato Grower	Forest Hill
16232	Standard Guano Co., Baltimore, Md.	Fish, Rock and Potash	Ellicott City

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16324	2.92	2.00	5.22b	5 00b	2.37	1.00	8.88	8.00	$26.31	$21.40
16380	.....	.....	.....	.....	1.97	1.00	11.04	10.00	8.83	8.00
16146	.....	.....	6.92	6.00	1.22	1.00	12.41	13.00	17.09	16.60
16203	1.12	1.00	1.14b	1.00b	1.22	1.00	8.76	8.00	14.54	13.10
16308	0.92	0.50	3.22	2.00	4.25	1.00	8.13	8.00	13.79	10.35
16309	5.24	4.00	.....	.....	21.71*	22.00*	.....	.....	32.30	.....
16266	.....	.....	4.57	5.00	1.07	.....	13.12	12.00	15.28	14.60
16310	1.30	1.50	3.45	2.00	2.17	.....	9.50	8.00	18.37	15.25
16311	4.03	4.00	7.56	7.00	1.30	.....	8.17	7.00	30.36	28.00
16247	2.20	2.00	3.28	3.00	1.77	2.00	10.12	10.00	21.81	20.80
16312	.....	.....	.....	.....	0.55	.....	15.61	14.00	12.49	11.20
16148	2.66	2.50	3.82	2.50	6.50	.....	5.30	10.00c	21.03	21.25
16248	2.20	2.00	2.83	2.50	1.50	.....	10.17	10.00	21.30	19 50
16287	.....	.....	.....	.....	1.15	.....	14.39	14.00	11.51	11.20
16358	1.11	1.00	2.21	2.00	1.07	.....	9.07	9.00	15.60	14.50
16288	.....	.....	2.12	2.00	0.17	.....	10.75	10.00	10.75	10 00
16249	0.65	0.50	2.01	2.00	1.12	.....	7.85	8.00	10.79	10.15
16250	1.69	2.00	5.66	5.00	1.72	.....	8.07	8.00	20.34	20.00
16359	.....	.....	2.01	2.00	0.65	.....	8.04	8.00	8.57	8.40
16289	0.70	0.50	1.36	1.00	0.86	.....	7.57	8.00	10.04	9.15
16290	.....	.....	2.17	2.00	0.67	.....	11.33	11.00	11.36	10.80
16251	1.55	1.50	4.01	4.00	1.27	.....	.	8.00	18.12	17.25
16232	0.68	0.50	0.83	1.00	1.05	.....	5.25	6.00	7.62	7.55

b Contains Sulfate of Potash.
* Total Phosphoric Acid.
c Guaranteed "Bone Phosphate 22%." which equals 10% Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
16233	Standard Guano Co., Baltimore.	Granger	Ellicott City
16180	H. S. Stouffer, Westminister, Md.	Butcher House Phosphate.	New Windsor
16181	" " "	Soluble Wheat Grower	New Windsor
16252	W. H. Street & Co., Fallston, Md.	Ammoniated Dissolved Bone	Fallston
16253	" " "	H. G. Bone Phosphate	Fallston
16254	" " "	S. C. Rock	Fallston
16360	H. S. Taveau & Co., Baltimore, Md.	Dissolved S. C. Bone	Baltimore
16381	" " "	Pure Ground Bone Meal	Baltimore
16361	" " "	Special Wheat Mixture	Baltimore
16291	" " "	Wheat and Grass Compound.	Baltimore
16209	I. P. Thomas & Sons Co., Philadelphia, Pa.	S. C. Phosphate	Hancock
16204	D. A. Thomas, Hagerstown, Md.	Bone Mixture	Beavercreek
16205	" " "	Dissolved Bone	Hagerstown
16206	" " "	Farmers Mixture	Maugansville
16207	" " "	Fine Raw Bone,	Hagerstown
16208	" " "	Golden Sheaf	Hagerstown
16299	Wm. B. Tilghman Co., Salisbury, Md.	Bone Tankage Mixture	Snow Hill
16300	" " "	Fish Bone and Potash Mixture.	Salisbury
16301	" " "	Mixture B	Salisbury
16302	" " "	Special Mixture	Salisbury
16303	" " "	Fish Mixture	Salisbury
16304	E. W. Truitt & Co., Salisbury, Md.	Fish Mixture X X	Salisbury
16267	Turner & Son, Betterton, Md.	"B" Bone Phosphate for Wheat and Grass.	Betterton

No.	NITROGEN Calculated as AMMONIA.		POTASH K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16233	1.48	2.00	2.50	2.00	2.45	.....	6.22	8.00	$14.88	$17.00
16180	0.49	0.75	3.16	2.50	2.05	.....	10.57	8.00	13.75	11 53
16181	0.41	0.50	3.12	2.50	0.65	.....	11.16	7.50	13.62	10.25
16252	1.83	1.50	2.01	2.00	1.10	.....	8.78	9.00	17.64	16.25
16253	2.32	2.50	3.04	3.00	2.30	.....	8.02	8.00	20.10	19.75
16254	.....	.....	.....	.....	0.67	.....	13.20	14.00	10.56	11.20
16360	.....	.....	.....	.....	1.52	.....	14.01	14.00	11.21	11.20
16381	3.02	3.00	.....	.....	14.95*	38.00†	.....	.....	.....	.....
16361	.....	.....	4.73	2.00	0.90	1.00	10.94	11.00	13.66	11.00
16291	.....	.....	3.22	3.00	0.55	.....	12.15	12.00	13.05	12.60
16209	.....	.....	.....	.....	0.70	1.00	14.72	14.00	11.78	11.20
16204	2.0	2.00	2.38	2.00	2.50	.....	7.81	8.00	18.30	17.00
16205	2.26	2.25	4.13	4.00	1.52	.....	9.45	10.00	22.10	21.88
16206	1.06	1.00	2.07	2.00	0.75	.....	8.06	8.00	14.14	13.50
16207	5.02	4.50	.....	.....	18.54*	22.00*	.....	.....	32.30	.....
16208	1.02	1.00	1.20	1.00	1.65	.....	9.01	8.00	14.44	12.50
16299	2.01	2.00	2.02	2.00	1.87	.....	9.72	8 00	19.53	17.00
16300	0.77	1.00	2.01	2.00	1.52	.....	10.23	10.00	13.19	15.50
16301	3.17	4.00	4.18	3.00	2.07	.....	8.59	8.00	24.70	25.00
16302	0.44	0.33	1.36	2.00	1.65	.....	11.01	12.00	12.04	12.76
16303	1.95	2.00	2.07	2.00	1.57	.....	9.89	8.00	19.42	17.00
16304	2.70	2.50	2.23	2.00	0.97	2.00	7.14	8.00	19.21	19.55
16267	1.96	1.75	3.16	2.50	2.00	.....	10.64	10.00	21.46	18.63

* Total Phosphoric Acid.
† Total "Bone Phosphate."

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
16362	Tuscarora Fertilizer Co., Baltimore, Md.	Acid Phosphate	Baltimore
16363	" " "	Alkaline	Baltimore
16364	" " "	Animal Bone	Baltimore
16131	" " "	Bone and Potash	Baltimore
16365	" " "	Big (4) Four	Baltimore
16313	" " "	Crop Special	Blue Ball
16366	" " "	High Grade	Baltimore
16367	" " "	Standard Phosphate	Baltimore
16368	" " "	Sure Growth	Baltimore
16268	" " "	York State Special	Chestertown
16314	The J. E. Tygert Co., Philadelphia, Pa.	Ammoniated Super-Phosphate.	Childs
16132	" " "	Bone Phosphate	Baltimore
16369	" " "	Golden Harvest Phosphate	Baltimore
16370	" " "	Standard Bone Phosphate.	Baltimore
16315	" " "	Victor Bone and Potash	Bay View
16210	J. Tyson & Sons, Frederick, Md.	Ammoniated Super-Phosphate.	Monrovia
16211	" " "	Dissolved South Carolina	Monrovia
16212	" " "	Half-and-Half Super-Phosphate.	Monrovia
16213	" " "	Special Mixture	Monrovia
16325	E. S. Valliant & Sons, Church Hill, Md.	Ammoniated Potash Mixture.	Tilghman
16108	" " "	Grain Grower	Baltimore
16107	" " "	Ideal Phosphate	Baltimore
16386	Virginia-Carolina Chemical Co., Richmond, Va.	Corn and Buckwheat Special.	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16362	.....	.....	.....	.....	1.25	.....	14.34	14.00	$11.47	$11.20
16363	.....	.....	5.01	5.00	1.25	.....	10.15	10.00	13.38	13.00
16364	3.32	3.00	.....	.....	25.20*	24.00*	.....	.....	32.77	.....
16131	.....	.....	2.28	2.00	1.00	.....	10.29	10.00	10.71	10.00
16365	2.56	2.00	3.53	4.00	2.10	.....	8.05	7.00	21.38	18.00
16313	1.94	2 00	5.41	5.00	1.20	.....	8.50	8.00	21.18	20.00
16366	.....	.....	5.51	5.00	1.25	.....	10.16	10.00	13.89	13.00
16367	2.01	2.00	2.37	2.00	2.20	1.00	9.17	8.00	19.46	17.40
16368	0.54	0.50	3.26	3.00	1.15	.....	8.05	8.00	11.82	11.15
16268	0.87	1.00	4.05	4.00	1.47	.....	8.30	8.00	14.03	15.50
16314	1.18	1.50	1.94	1.50	0.95	.....	8.71	8.00	15.16	14.75
16132	2.61	2.25	2.60	2.50	1.57	.....	9.55	9.00	21.92	19.38
16369	0.72	0.50	2.06	2.00	0.80	.....	8.02	8.00	11.16	10.15
16370	2.05	2.00	2.02	2.00	1.10	.....	8.64	8.00	18.28	17.00
16315	1.10	1.00	3.86	4.00	1.15	.....	8.25	8.00	16.42	15.50
16210	1.02	1.00	1.47	2.00	1.72	.....	8.93	10.00	14.66	15.50
16211	.....	.....	.....	.....	1.72	.....	14.14	14.00	11.31	11.20
16212	0.78	1.25	1.88	1.00	1.85	.....	8.22	10.00	11.56	15.38
16213	0.67	1.00	1.47	1.00	1.77	.....	8.83	8.00	11.23	12.50
16325	0.34	0.25	2.42	2.00	0.72	.....	10.23	10.00	11.93	10.88
16108	0.80	0.50	2.42	2.00	2.02	1.00	8.76	8.00	12.63	10.35
16107	1.05	1.00	2.50	2.00	2.45	2.00	8.18	9.00	15.34	15.30
16386	.....	.....	4.12	3.00	1.60	1.00	7.96	6.00	10.81	8.00

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler, when not the College.)
16214	Virginia-Carolina Chemical Co., Richmond, Va.	Dissolved Bone	Woodsboro
16215	" " "	Fish Bone and Potash	Hancock.
16149	" " "	Guaranteed 14% Acid Phosphate.	Gaithersburg
16326	" " "	H. G. Bone and Potash	Centerville
16372	" " "	National Ammoniated Guano.	Baltimore.
16216	" " "	Pure Raw Bone	Woodsboro
16182	" " "	Special Bone and Potash	Uniontown
16217	" " "	Special Compound for Wheat.	Hancock.
16373	" " "	Special Potash Mixture	Baltimore.
16274	" " "	Standard Bone and Potash	Baltimore.
16273	" " "	Standard Corn and Grain Grower.	Baltimore
16218	" " "	Standard Crop Grower	Woodsboro
16327	S. L. Webster & Son, Cambridge, Md.	Ammoniated Bone Phosphate No. 1.	Secretary
16328	" " "	Ammoniated Bone Phosphate No. 2.	Cambridge
16329	" " "	Bone and Potash	Cambridge
16330	" " "	Old Dorset Ammoniated Bone Fertilizer.	Secretary.
16183	Westminster Fertilizer Co., Westminster, Md.	Big Gun	Westminster
16184	" " "	Governor Ammoniated and Concentrated Phosphate	Westminster
16185	" " "	Leader	Tyrone
16186	" " "	Super "A"	Tyrone
16255	Harry W. Whistler, Fountain Green, Md.	Crop Grower.	Fountain Green
16256	" " "	Pure Bone Meal	Forest Hill

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16214	2.34	2.00	.....	.....	4.87	1.50	9.84	10.00	$19.98	$17.60
16215	1.86	2.00	3.01	3.00	1.85	.....	9.95	8.00	20.21	18.00
16149	.....	.....	.....	.....	1.30	.....	14.66	14.00	11.73	11.20
16326	.....	.....	5.41	5.00	1.72	1.00	11.30	12.00	14.79	14.80
16372	1.21	1.00	4.54	4.00	2.25	1.00	8.25	8.00	17.93	15.90
16216	4.98	4.50	.....	.....	21.66*	22.50*	.....	.....	25.43	.....
16182	.....	.....	5.33	5.00	5.10	1.00	8.69	10.00	13.30	13.20
16217	1.16	1.00	1.16	1.00	1.65	1.00	8.25	8.00	14.13	12.90
16373	.....	.....	4.65	5.00	5.25	1.00	8.57	8.00	12.56	11.60
16274	.....	.....	2.71	2.00	1.85	1.00	10.10	10.00	11.16	10.20
16273	0.63	0.50	2.42	2.00	2.80	1.00	8.02	8.00	11.61	10.35
16218	2.59	2.00	2.54	2.00	0.85	1.00	8.60	8.00	20.55	17.40
16327	2.60	2.50	3.53	2.50	6.00	.....	6.38	10.00	21.41	21.25
16328	2.44	2.00	2.68	2.00	4.49	.....	6.33	8.00	19.35	17.00
16329	.....	.....	3.45	2.00	0.70	.....	10.57	10.00	12.05	10.00
16330	0.90	0.50	4.50	4.00	2.05	2.00	7.31	6.00	13.91	10.95
16183	2.04	2.00	2.46	2.00	1.07	.....	10.39	10.00	20.42	19.00
16184	1.74	1.50	2.55	2.50	1.10	.....	9.23	9.00	18.31	16.75
16185	1.14	1.00	1.89	1.50	1.07	.....	8.41	8.00	14.72	13.00
16186	1.02	0.75	1.36	1.00	1.22	.....	8.09	8.00	13.51	10.03
16255	1.26	1.50	2.58	2.00	2.57	.....	9.73	8.00	17.75	15.25
16256	2.02	2.00	.....	.....	24.90*	22.00*	.....	.....	28.64	.....

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
16257	O. M. Whitaker, Record, Md.	Complete Fertilizer	Reckord
16258	" " "	Pure Ground Bone	Reckord
16234	Robert A. Wooldridge Co., Baltimore, Md.	Champion Giant Phosphate	White Hall
16133	" " "	Chieftain Bone Stock Phosphate.	Baltimore
16235	" " "	Farmers' Favorite Cereal Compound.	Ellicott City
16236	" " "	Florida Acid Phosphate	White Hall
16237	" " "	German Potash Mixture	Ellicott City.
16134	" " "	Liberty Bell Potash Mixture.	Baltimore
16238	" " "	Old Sledge Phosphate	White Hall
16239	" " "	Triumph Pure Bone Phosphate.	Ellicott City
16374	The Wooldridge Orchilla Co., Baltimore, Md.	Clover Leaf Crop Grower.	Baltimore
16279	" " "	Cyclone.	Baltimore
16280	" " "	Faultless Ammoniated Bone Phosphate.	Baltimore
16281	" " "	German Alkaline Mixture.	Baltimore
16240	" " "	Old Hickory Phosphate	Ellicott City.
16305	" " "	Orchilla Guano.	Pocomoke
16375	" " "	Tiger Bone Stock Phosphate.	Baltimore
16282	" " "	Virginia Bell Potash Mixture.	Baltimore
16332	A. S. Woolley Co., Inc., Seaford, Del.	No. 3 Grain Fertilizer	Ellwood

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
16257	2.02	2.00	2.38	2.00	1.92	.....	8.47	9.00	$18.69	$18.00
16258	4.61	4.00	.....	.....	21.85*	45.00†	.....	.....	27.47	.....
16234	1.12	1.00	2.17	2.00	1.17	1.50	9.03	9.00	15.59	15.10
16133	2.17	2.00	2.11	2.00	1.60	1.50	8.01	8.00	18.36	17.60
16235	0.72	0.50	2.17	2.00	0.60	1.00	8.06	7.00	11.26	9.55
16236	.....	.....	.....	.....	0.42	1.00	15.04	14.00	12.03	11.20
16237	.....	.....	2.01	2.00	0.50	1.00	10.03	10.00	10.13	10.20
16134	.....	.....	3.14	3.00	0.77	1.00	12.05	12.00	12.93	12.80
16238	.....	.....	5.03	5.00	0.90	1.00	11.74	12.00	14.60	14.80
16239	1.62	1.50	4.11	4.00	1.70	2.00	7.93	8.00	18.39	18.05
16374	0.67	0.50	2.79	.00	1.10	1.50	7.84	8.00	11.63	10.45
16279	3.02	3.00	3.01	3.00	2.34	2.00	7.53	8.00	22.05	22.30
16280	1.93	2.00	2.35	2.00	1.07	2.00	7.60	8.00	17.14	17.80
16281	.....	.....	2.89	2.00	0.67	1.00	9.90	10.00	10.94	10.20
16240	1.51	1.00	2.77	2.50	1.12	1.50	7.46	8.00	15.97	14.60
16305	.....	.....	.....	.....	14.28	13.00	4.82	4.00	9.57	8.40
16375	1.50	1.25	5.39	4.50	1.15	1.50	7.20	8.00	18.30	17.48
16282	.....	.....	3.04	3.00	1.85	1.00	11.86	12.00	12.90	12.80
16332	0.77	1.00	3.06	2.50	3.27	2.00	6.25	8.00	11.41	14.80

* Total Phosphoric Acid.
† Total Bone Phosphate.

Table Showing Mechanical Analysis of Bone.

(The Chemical Analysis is Given in the Preceding Table.)

No.	NAME AND ADDRESS OF MANUFACTURER.	NAME OF FERTILIZER.	Fine Less than 1-50 inch.	Fine-Medium 1-25 to 1-50 inch.	Medium 1-25 to 1-12 inch.	Coarse Larger than 1-12 inch.
15926	American Agricultural Chemical Co., New York, N. Y.	Fine Ground Bone	62	26	11	1
16061	American Agricultural Chemical Co., New York, N. Y.	Pure Ground Bone	32	41	27	0
15856	American Agricultural Chemical Co., New York, N. Y.	Pure Ground Bone	31	35	34	0
15930	Armour Fertilizer Works, Baltimore, Md.	Bone Meal	55	29	15	1
15840	Armour Fertilizer Works, Baltimore, Md.	Raw Bone Meal	40	30	20	10
16064	Baltimore Pulverizing Co., Baltimore, Md.	Pure Raw Bone	57	28	14	1
15932	Baugh & Sons Co., Baltimore, Md.	Fine Ground Bone	38	58	4	0
15852	Baugh & Sons Co., Baltimore, Md.	Raw Bone Meal	49	48	3	0
15933	The Berg Co., Philadelphia, Pa.	Raw Bone	57	33	9	1
15976	Henry Cope & Co., Lincoln University, Pa.	Pure Ground Bone	40	40	20	0
16020	Josiah Cope & Co.. Oxford, Pa.	Ground Steamed Bone	61	27	11	1
15949	Griffith & Boyd, Baltimore, Md.	Pure Fine Ground Bone Meal	50	35	15	0
15935	Griffith & Boyd, Baltimore, Md.	Soft Ground Bone Meal	51	34	14	1
15923	Griffith & Turner Co., Baltimore, Md.	Soft Ground Bone	68	23	9	0
16336	S. M. Hess & Bro., Philadelphia, Pa.	Ground Bone	45	30	23	2
16100	Hubbard Fertilizer Co., Baltimore, Md.	Pure Raw Bone	42	24	28	6
16377	M. P. Hubbard & Co., Baltimore, Md.	Pure Raw Bone Meal	47	37	15	1
16220	Lister's Agricultural Chemical Works, Newark, N. J.	Bone Meal	48	36	16	0
16221	Lister's Agricultural Chemical Works, Newark, N. J.	Celebrated Ground Bone, Acidulated.	52	35	12	1
16116	The D. B. Martin Co., Philadelphia, Pa.	Pure Ground Bone	65	24	11	0
16117	The D. B. Martin Co., Philadelphia, Pa.	Pure Raw Bone Meal	40	34	26	0
16118	The Miller Fertilizer Co., Baltimore, Md.	Ground Bone	31	37	28	4
16350	G. Ober & Sons Co., Baltimore, Md.	Pure Raw Bone Meal	32	45	17	6
16228	Patapsco Guano Co., Baltimore, Md.	Pure Ground Bone.	35	34	31	0
16172	Piedmont-Mt. Airy Guano Co., Baltimore, Md,	Piedmont Raw Bone Meal,	52	28	18	2
16231	Pocohontas Guano Co., Baltimore, Md.	Pure Raw Bone Meal,	29	31	38	2
16379	The Pollock Fertilizer Co., Baltimore, Md.	Ground Animal Bone	40	37	23	0
16355	The Pollock Fertilizer Co., Baltimore, Md.	Soft Ground Bone	50	29	18	3
16309	The Scott Fertilizer Co., Elkton, Md.	Pure Ground Raw Bone	33	38	27	2
16207	D. A. Thomas, Hagerstown, Md.	Fine Raw Bone	60	39	1	0
16364	Tuscarora Fertilizer Co., Baltimore, Md.	Animal Bone	64	24	11	1
16216	Virginia-Carolina Chemical Co., Richmond, Va.	Pure Raw Bone	10	22	34	34
16255	Harry W. Whistler, Fountain Green, Md.	Pure Bone Meal	64	25	10	1
16258	O. M. Whitaker, Reckord, Md.	Pure Ground Bone	25	26	26	23